

## COMPLETE SEARCH

## Patent Literature Abstracts

| Set       | Items                                   | Description   |
|-----------|---|---|
| S1        | 9394                                    | RECOMMENDATION(1N)(SYSTEM? OR APPARATUS OR PROGRAM?) OR (COLLABORATIVE OR SOCIAL OR ACTIVE OR PEER)(1N)FILTER? OR (COMMUNITY OR COLLECTING OR COLLECTED OR PEER)(3N)(RATE? ? OR RATING OR RANK? ? OR RANKING OR RECOMMENDATION? OR SCOR???) OR SELF()GENERATI |
| S2        | 948336                                  | USER OR USERS OR CONSUMER? ? OR CUSTOMER? ? OR CLIENT? ? OR SHOPPER? ? OR PURCHASER? ? OR BUYER? ? OR SUBSCRIBER? ?   |
| S3        | 11151095                                | SUBMIT OR SUBMITT??? OR SUPPL? OR ENTER??? OR INPUT??? OR -(PUT OR 'PUTS')()IN OR ADD OR ADDS OR CONTRIBUT??? OR PROVIDE OR PROVIDES OR PROVIDED OR PROVIDING OR REGISTER??? OR REGISTRATION  |
| S4        | 702419                                  | CONTENT OR REVIEW? ? OR RECOMMENDATION? OR CONTRIBUTION?  |
| S5        | 7618                                    | INCENTIVE? ? OR REWARD? ? OR AWARD? ? OR SPECIAL()OFFER? OR FREEBIES  |
| S6        | 41457                                   | S2 AND S3 AND S4  |
| S7        | 371                                     | S1 AND S6   |
| S8        | 4                                       | S7 AND S5   |
| S9        | 2945765                                 | MORE OR GREATER OR HIGHER   |
| S10       | 2932523                                 | NUMBER OR TIMES OR OFTEN OR FREQUENT OR FREQUENCY   |
| S11       | 297                                     | REPEAT(3N)S2  |
| S12       | 425716                                  | S9(S)S10  |
| S13       | 20                                      | S7 AND (S11 OR S12)   |
| S14       | 5413993                                 | LIMIT??? OR LIMITATION? OR RESTRICT? OR EXCLUD? OR PROHIBIT? OR CONTROL?  |
| S15       | 119678                                  | S14(S)S4  |
| S16       | 50                                      | S7 AND S15  |
| S17       | 8922637                                 | GET()BACK OR GETBACK OR RECEIVE OR USE OR USAGE   |
| S18       | 43                                      | S16 AND S17   |
| S19       | 23                                      | S7 AND (S5 OR S11 OR S12)   |
| S20       | 63                                      | S18~OR S19  |
| S21       | 32                                      | S20 AND IC=(G06F-017/60 OR G06F-017/30 OR G06Q-30/00 OR G07F-07/00)   |
| S22       | 32                                      | IDPAT (sorted in duplicate/non-duplicate order)   |
| S23       | 32                                      | IDPAT (primary/non-duplicate records only)  |
| File 350: | Derwent WPIX 1963-2006/UD=200670        |   |
|           | (c) 2006 The Thomson Corporation        |   |
| File 344: | Chinese Patents Abs Jan 1985-2006/Jan   |   |
|           | (c) 2006 European Patent Office         |   |
| File 347: | JAPIO Dec 1976-2006/Jan(Updated 061009) |   |
|           | (c) 2006 JPO & JAPIO                    |   |

23/3,K/4 (Item 4 from file: 350) Note: Bad Date but interesting  
 DIALOG(R)File 350:Derwent WPIX  
 (c) 2006 The Thomson Corporation. All rts. reserv.

0015308275 - Drawing available  
 WPI ACC NO: 2005-658462/200567

XRPX Acc No: N2005-539503

Method for collecting/selling employment related document through internet, involves providing incentive including software platform that assist entities in managing document and identify re-usable documents, to entities without charge

Patent Assignee: ABRAHAMSOHN D (ABRA-I); ABRAHAMSOHN D A A (ABRA-I)

Inventor: ABRAHAMSOHN D; ABRAHAMSOHN D A A

Patent Family (2 patents, 107 countries)

Patent Application

| Number        | Kind | Date     | Number        | Kind | Date     | Update   |
|---------------|------|----------|---------------|------|----------|----------|
| WO 2005084234 | A2   | 20050915 | WO 2005US6172 | A    | 20050225 | 200567 B |

US 20050216295 A1 20050929 US 2004548710 P 20040227 200567 E  
 US 200566952 A 20050225

Priority Applications (no., kind, date): US 200566952 A 20050225; US 2004548710 P 20040227

#### Patent Details

| Number        | Kind | Lan | Pg | Dwg | Filing Notes |
|---------------|------|-----|----|-----|--------------|
| WO 2005084234 | A2   | EN  | 43 | 9   |              |

National Designated States,Original: AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NA NI NO NZ QM PG PH PL PT RO RU SC SD SE SG SK SL SM SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

Regional Designated States,Original: AT BE BG BW CH CY CZ DE DK EA EE ES FI FR GB GH GM GR HU IE IS IT KE LS LT LU MC MW MZ NA NL OA PL PT RO SD SE SI SK SL SZ TR TZ UG ZM ZW

US 20050216295 A1 EN Related to Provisional US 2004548710

Method for collecting/selling employment related document through internet, involves providing incentive including software platform that assist entities in managing document and identify re-usable documents, to...

#### Original Titles:

...for obtaining data from multiple sources and ranking documents based on meta data obtained through collaborative filtering and other matching techniques...

...FOR OBTAINING DATA FROM MULTIPLE SOURCES AND RAKING DOCUMENTS BASED ON META DATA OBTAINED THROUGH COLLABORATIVE FILTERING AND OTHER MATCHING TECHNIQUES...

...NOVELTY - The method involves providing an incentive including application tracking software platform that assist the entities such as employers in managing employment...

#### Class Codes

...International Classification (Main): G06F-017/60

#### Original Publication Data by Authority

#### Original Abstracts:

...ranking and matching of documents based on meta data obtained during data collection, sorting and review processes is disclosed. Incentives are provided to contributors in exchange for data/documents that have been acquired by such contributors . The incentives may include, inter alia, licenses to use certain software applications that facilitate the collection of documents from a number of means and collect Meta Data about the collected documents. Contributed documents are then aggregated into one or more online databases. Customers are able to perform multi-criteria ranked searches in the databases and "preview" a ranked set of documents that meet the search criteria. Customers may then purchase the individual documents they deem appropriate. The ranking of the search results may be impacted by the Meta Data collected through the use of the provided software applications...

...ranking and matching of documents based on meta data obtained during data collection, sorting and review processes is disclosed. Incentives are provided to contributors in exchange for data/documents that have been acquired by such contributors . The incentives may include, inter alia, licenses to use certain software applications that facilitate the collection of documents from a number of means and collect Meta Data about the collected documents. Contributed documents are then aggregated into one or more online databases. Customers are able to perform multi-criteria ranked searches in the databases and "preview" a ranked set

of documents that meet the search criteria. Customers may then purchase the individual documents they deem appropriate. The ranking of the search results may be impacted by the Meta Data collected through the use of the provided software applications...

...apport sont ensuite regroupes dans une ou plusieurs base(s) de donnees en ligne. Des clients peuvent executer des recherches ordonnees selon des criteres multiples dans les bases de donnees et previsualiser un ensemble ordonne de documents que repondent aux criteres de recherche. Les clients peuvent ensuite acheter les documents individuels qu'ils considerent appropries. L'ordonnancement de la recherche...

Claims:

b 1 /b . A method comprising: providing incentives including a software platform to a plurality of unrelated entities without charge, said software platform...

## Patent Literature Full-Text

| Set  | Items   | Description   |
|--|---------|---|
| S1   | 10813   | RECOMMENDATION(1N)(SYSTEM? OR APPARATUS OR PROGRAM?) OR (COLLABORATIVE OR SOCIAL OR ACTIVE OR PEER)(1N)FILTER? OR (COMMUNITY OR COLLECTING OR COLLECTED OR PEER)(3N)(RATE? ? OR RATING OR RANK? ? OR RANKING OR RECOMMENDATION? OR SCOR???) OR SELF()GENERATI |
| S2   | 957015  | USER OR USERS OR CONSUMER? ? OR CUSTOMER? ? OR CLIENT? ? OR SHOPPER? ? OR PURCHASER? ? OR BUYER? ? OR SUBSCRIBER? ? OR CONTRIBUTOR? ? OR MEMBER? ?  |
| S3   | 2641657 | SUBMIT OR SUBMITT??? OR SUPPL? OR ENTER??? OR INPUT??? OR -(PUT OR PUTS)()IN OR ADD OR ADDS OR CONTRIBUTOR??? OR PROVIDE OR PROVIDES OR PROVIDED OR PROVIDING OR REGISTER??? OR REGISTRATION  |
| S4   | 535758  | CONTENT OR REVIEW? ? OR RECOMMENDATION? OR CONTRIBUTION?  |
| S5   | 16954   | INCENTIVE? ? OR REWARD? ? OR AWARD? ? OR SPECIAL()OFFER? OR FREEBIES  |
| S6   | 19989   | S2(7N)S3(7N)S4  |
| S7   | 164     | S1(S)S6   |
| S8   | 5       | S7(S)S5   |
| S9   | 1681254 | MORE OR GREATER OR HIGHER   |
| S10  | 1459953 | NUMBER OR TIMES OR OFTEN OR FREQUENT OR FREQUENCY   |
| S11  | 2415    | REPEAT(3N)S2  |
| S12  | 1629191 | GET()BACK OR GETBACK OR RECEIVE OR USE OR USAGE   |
| S13  | 1892018 | LIMIT??? OR LIMITATION? OR RESTRICT? OR EXCLUD? OR PROHIBIT? OR CONTROL?  |
| S14  | 373731  | S9(7N)S10   |
| S15  | 19180   | (S14 OR S11)(10N)S12  |
| S16  | 65733   | S13(10N)S4  |
| S17  | 35      | S7(S)(S5 OR S15 OR S16)   |
| S18  | 17      | S17 AND IC=(G06F-017/60 OR G06F-017/30 OR G06Q-30/00 OR G07F-07/00)   |
| S19  | 17      | IDPAT (sorted in duplicate/non-duplicate order)   |
| S20  | 17      | IDPAT (primary/non-duplicate records only)  |
| File 348:EUROPEAN PATENTS 1978-2006/ 200643            |         |   |
| (c) 2006 European Patent Office                        |         |   |
| File 349:PCT FULLTEXT_1979-2006/UB=20061026UT=20061019 |         |   |
| (c) 2006 WIPO/Thomson                                  |         |   |

20/3,K/3 (Item 3 from file: 348) Note: Your inventors  
 DIALOG(R)File 348:EUROPEAN PATENTS  
 (c) 2006 European Patent Office. All rts. reserv.

01355177  
 Information recommendation apparatus and information recommendation system  
 System und Vorrichtung zum Empfehlen von Informationen  
 Systeme et appareil de recommandation d'informations  
 PATENT ASSIGNEE:

MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD., (216883), 1006, Oaza-Kadoma,  
 Kadoma-shi, Osaka 571-8501, (JP), (Applicant designated States: all)

## INVENTOR:

Kutsumi, Hiroshi, 1-4-31,Terakatanishikidori, Moriguchi-shi, Osaka  
 570-0042, (JP)  
 Araki, Shouichi, 3-15-22-503, Imafukuhigashi, Joto-ku, Osaka-shi, Osaka  
 536-0002, (JP)  
 Naito, Eiichi, 2-31, Takigikuwanoki, Kyotanabe-shi, Kyoto 610-0341, (JP)  
 Hiratsuka, Tomoyasu, Park City Chiharadai 2-510, 3-32-1-1, Chiaradai,  
 Ichibara-shi, Chiba 290-0158, (JP)  
 Jitousho, Yuumi, 3-13-2-105, Osone, Minatokita-ku, Yokohama-shi, Kanagawa  
 222-0003, (JP)

## LEGAL REPRESENTATIVE:

Grunecker, Kinkeldey, Stockmair & Schwanhausser Anwaltssozietat (100721)

, Maximilianstrasse 58, 80538 Munchen, (DE)  
 PATENT (CC, No, Kind, Date): EP 1156424 A2 011121 (Basic)  
 APPLICATION (CC, No, Date): EP 2001111063 010508;  
 PRIORITY (CC, No, Date): JP 2000145169 000517  
 DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI;  
 LU; MC; NL; PT; SE; TR  
 EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI  
 INTERNATIONAL PATENT CLASS (V7): G06F-017/30  
 ABSTRACT WORD COUNT: 96  
 NOTE:

Figure number on first page: 1

LANGUAGE (Publication,Procedural,Application): English; English; English  
 FULLTEXT AVAILABILITY:

| Available Text                     | Language  | Update | Word Count |
|------------------------------------|-----------|--------|------------|
| CLAIMS A                           | (English) | 200147 | 4079       |
| SPEC A                             | (English) | 200147 | 21944      |
| Total word count - document A      |           |        | 26023      |
| Total word count - document B      |           |        | 0          |
| Total word count - documents A + B |           |        | 26023      |

INTERNATIONAL PATENT CLASS (V7): G06F-017/30

...SPECIFICATION shown in FIG. 5 comprises the network interface means 1, the content database 2, the recommendation condition input means 3, the content recommendation means 4, the content output means 5, the user identification means 6, the access history control means 7 and the content registration means 8.

Furthermore, since a hardware configuration by which the system configured as described above...easy by using registration items that can be made quantitative.

Furthermore, in Embodiment 3, information recommendation is limited depending on the registration results of contents, and recommendation conditions are extracted from the contents registered by the user. Hence, it is possible to accomplish an information recommendation apparatus wherein appropriate data suited for the user can be recommended while the user is not required to input specific recommendation conditions.

Furthermore, in Embodiment 4, content data conforming to the recommendation conditions can be recommended, and an advertisement corresponding to the...

20/3,K/8 (Item 8 from file: 349)  
 DIALOG(R)File 349:PCT FULLTEXT  
 (c) 2006 WIPO/Thomson. All rts. reserv.

00891357 \*\*Image available\*\*  
 METHOD AND SYSTEM FOR USER-DIRECTED COMPUTER NETWORK DIRECTORY  
 PROCEDE ET SYSTEME DESTINE A UN REPERTOIRE DES RESEAUX D'ORDINATEURS  
 ORIENTES UTILISATEUR

Patent Applicant/Assignee:  
 022 COM INC, 900 South Gay St., Suite 300, Knoxville, TN 37902, US, US  
 (Residence), US (Nationality)

Inventor(s):  
 BOTCHARNIKOV Roman, 3100 Easttowne Mall Circle, Building I-396,  
 Knoxville, TN 37924, US,  
 NELSON Joshua C, 401 Gallaher View Road, Apt. 263, Knoxville, TN 37919,  
 US,

Legal Representative:  
 PIENKOS John T (et al) (agent), Quarles & Brady LLP, 411 E. Wisconsin  
 Avenue, Milwaukee, WI 53202-4497, US,

Patent and Priority Information (Country, Number, Date):  
 Patent: WO 200225469 A2-A3 20020328 (WO 0225469)

Application: WO 2001US29360 20010919 (PCT/WO US0129360)  
Priority Application: US 2000665450 20000919  
Designated States:  
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)  
AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ  
EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR  
LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL  
TJ TM TR TT TZ UA UG VN YU ZA ZW  
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR  
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG  
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW  
(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 7589

Main International Patent Class (v7): G06F-017/30

International Patent Class (v7): G06F-017/60

Fulltext Availability:

Detailed Description

Detailed Description

... 6,052,717, which discloses an Internet site book system, which is a self extending, self - sustaining compilation of text and multimedia material. Users may enroll as viewers of the content . Contributors are given monetary rewards based on how much their content is being viewed. This reward is in the nature of a copyright royalty, since the contributions are original material or derivative material incorporating some element of authorship on the part of the contributor .

Hartnett, U.S. Pat. No. 6,064,971, discloses a collaborative text system in which the contributions of users are re-ordered and ranked based on popularity.

Links or URL's are not mentioned...

## Non-Patent Literature Abstracts

| Set  | Items                          | Description   |
|------|--------------------------------|---|
| S1   | 20856                          | RECOMMENDATION(1N)(SYSTEM? OR APPARATUS OR PROGRAM?) OR (COLLABORATIVE OR SOCIAL OR ACTIVE OR PEER)(1N)FILTER? OR (COMMUNITY OR COLLECTING OR COLLECTED OR PEER)(3N)(RATE? ? OR RATING OR RANK? ? OR RANKING OR RECOMMENDATION? OR SCOR???) OR SELF()GENERATI |
| S2   | 1337257                        | USER OR USERS OR CONSUMER? ? OR CUSTOMER? ? OR CLIENT? ? OR SHOPPER? ? OR PURCHASER? ? OR BUYER? ? OR SUBSCRIBER? ? OR CONTRIBUTOR? ? OR MEMBER? ?  |
| S3   | 3272294                        | SUBMIT OR SUBMITT??? OR SUPPL? OR ENTER??? OR INPUT??? OR -(PUT OR PUTS)()IN OR ADD OR ADDS OR CONTRIBUTOR??? OR PROVIDE OR PROVIDES OR PROVIDED OR PROVIDING OR REGISTER??? OR REGISTRATION  |
| S4   | 1386671                        | CONTENT OR REVIEW? ? OR RECOMMENDATION? OR CONTRIBUTION?  |
| S5   | 124694                         | INCENTIVE? ? OR REWARD? ? OR AWARD? ? OR SPECIAL()OFFER? OR FREEBIES  |
| S6   | 29016                          | S2(S)S3(S)S4  |
| S7   | 265                            | S1 AND S6   |
| S8   | 3                              | S7 AND S5   |
| S9   | 3                              | RD (unique items)   |
| File | 2:INSPEC                       | 1898-2006/Oct w4<br>(c) 2006 Institution of Electrical Engineers  |
| File | 35:Dissertation Abs            | Online 1861-2006/Oct<br>(c) 2006 ProQuest Info&Learning   |
| File | 65:Inside Conferences          | 1993-2006/Nov 02<br>(c) 2006 BLDSC all rts. reserv.   |
| File | 99:wilson Appl. Sci & Tech Abs | 1983-2006/Sep<br>(c) 2006 The HW Wilson Co.   |
| File | 474:New York Times Abs         | 1969-2006/Nov 01<br>(c) 2006 The New York Times   |
| File | 475:Wall Street Journal Abs    | 1973-2006/Nov 01<br>(c) 2006 The New York Times   |
| File | 583:Gale Group Globalbase(TM)  | 1986-2002/Dec 13<br>(c) 2002 The Gale Group   |

9/5/1 (Item 1 from file: 2) Note: Bad Date but perfect.

DIALOG(R)File 2:INSPEC  
(c) 2006 Institution of Electrical Engineers. All rts. reserv.

08198201 INSPEC Abstract Number: C2002-04-7100-041  
Title: Participation incentive mechanisms in peer-to-peer subscription systems

Author(s): Lui, S.M.; Lang, K.R.; Kwok, S.H.  
Author Affiliation: Dept. of Inf. & Syst. Manage., Hong Kong Univ. of Sci. & Technol., Kowloon, China

Conference Title: Proceedings of the 35th Annual Hawaii International Conference on System Sciences p.3925-31

Editor(s): Sprague, R.H.  
Publisher: IEEE Comput. Soc, Los Alamitos, CA, USA  
Publication Date: 2002 Country of Publication: USA CD-ROM pp.  
ISBN: 0 7695 1435 9 Material Identity Number: xx-2002-00233  
U.S. Copyright Clearance Center Code: 0 7695 1435 9/2002/\$17.00

Conference Title: Proceedings of the 35th Annual Hawaii International Conference on System Sciences  
Conference Date: 7-10 Jan. 2002 Conference Location: Big Island, HI, USA

Language: English Document Type: Conference Paper (PA)  
Treatment: Practical (P)  
Abstract: Businesses are trying to explore new business opportunities in the newly emerging P2P technology applications. Motivating peer members through incentive mechanisms to supply contributions to the system and controlling free riding are suggested in this paper as important success factors for developing P2P-based business models. We review the

psychology and community behavior literature in order to provide an explanation for the reasons why people get motivated to participate in P2P systems and to contribute to the peer community. Motivation can be classified into individual factors and interpersonal factors. Based on these factors, we develop incentive mechanisms that may help to induce peers to contribute and participate more and thus benefit the entire P2P system and community. In particular, we propose the inclusion of the following four features into P2P application environments: (i) contribution - reward mechanism, (ii) individual identity and profile generation, (iii) sub-community building, and (iv) peer recommendations  
• (19 Refs)

Subfile: C

Descriptors: business communication; computer communications software; distributed processing; information networks

Identifiers: P2P technology; peer-to-peer computing; file sharing; business opportunities; digital contents subscription system; P2P services

Class Codes: C7100 (Business and administration); C6150N (Distributed systems software); C7210N (Information networks)

Copyright 2002, IEE

9/5/2 (Item 1 from file: 35) Note: Bad note  
DIALOG(R)File 35:Dissertation Abs Online  
(c) 2006 ProQuest Info&Learning. All rts. reserv.

01924265 ORDER NO: AADAA-I3073797  
Distributed annotation framework supporting collaborative filtering of information

Author: Imudom, Sukumal

Degree: Ph.D.

Year: 2002

Corporate Source/Institution: University of Southern California (0208)

Adviser: B. Clifford Neuman

Source: VOLUME 63/12-B OF DISSERTATION ABSTRACTS INTERNATIONAL.

PAGE 5932. 122 PAGES

Descriptors: COMPUTER SCIENCE

Descriptor Codes: 0984

ISBN: 0-493-93902-4

Recommender systems have emerged to assist users by finding information on the Internet with the help of other users. This research proposes a distributed annotation framework supporting collaborative filtering of any type of information. There exists the problem of validity and trust in the recommendations placed on such systems and the lack of incentive for evaluators to participate in making evaluations. The framework provides a mechanism to build trust by increasing the reputation of the evaluators. It also serves as a reward model by providing an incentive for promoting evaluations.

The proposed framework consists of three important building blocks which aim to overcome existing recommender system limitations: annotation semantic categories, expertise ratings on the annotators, and a credit mechanism. The framework allows both enumerated and free text forms of evaluation. A generic set of annotation semantic categories is defined to help classify the free text annotations and provide the annotations with structure. The notion of "expertise" is introduced to help identify the experts in our system. The expertise rating mechanism identifying the experts and the quality of evaluations also helps determine the credibility of the information. Additionally, I propose a credit model which overcomes the lack of initial evaluations by providing an incentive to promote user participation. The model, a hybrid of the subscription and

transaction models, uses electronic credits as a reward for evaluators who make early and valuable annotations. The framework enables application developers the ability to build various applications which will benefit

from collaborative filtering . we envision the future use of these applications in the integration of Recommender Systems and Electronic Commerce. Such systems will not only help users filter the quality of information more efficiently, but it will also provide a new working medium for many career professionals.

## Non-Patent Literature Full-Text

| Set  | Items    | Description   |
|--|----------|---|
| S1   | 24791    | RECOMMENDATION(1N)(SYSTEM? OR APPARATUS OR PROGRAM?) OR (COLLABORATIVE OR SOCIAL OR ACTIVE OR PEER)(1N)FILTER? OR (COMMUNITY OR COLLECTING OR COLLECTED OR PEER)(3N)(RATE? ? OR RATING OR RANK? ? OR RANKING OR RECOMMENDATION? OR SCOR???) OR SELF()GENERATI |
| S2   | 11497170 | USER OR USERS OR CONSUMER? ? OR CUSTOMER? ? OR CLIENT? ? OR SHOPPER? ? OR PURCHASER? ? OR BUYER? ? OR SUBSCRIBER? ? OR CONTRIBUTOR? ? OR MEMBER? ?  |
| S3   | 14451139 | SUBMIT OR SUBMITT??? OR SUPPL? OR ENTER??? OR INPUT??? OR -(PUT OR PUTS)()IN OR ADD OR ADDS OR CONTRIBUTBUT??? OR PROVIDE OR PROVIDES OR PROVIDED OR PROVIDING OR REGISTER??? OR REGISTRATION   |
| S4   | 3912901  | CONTENT OR REVIEW? ? OR RECOMMENDATION? OR CONTRIBUTION?  |
| S5   | 2346827  | INCENTIVE? ? OR REWARD? ? OR AWARD? ? OR SPECIAL()OFFER? OR FREEBIES  |
| S6   | 75067    | S2(5N)S3(5N)S4  |
| S7   | 246      | S1 AND S6   |
| S8   | 67       | S7 AND S5   |
| S9   | 31       | S8 NOT PY>2000  |
| S10  | 29       | RD (unique items)   |
| File 20:Dialog Global Reporter 1997-2006/Nov 02<br>(c) 2006 Dialog |          |   |

10/3, K/4

DIALOG(R)File 20:Dialog Global Reporter  
(c) 2006 Dialog. All rts. reserv.

12247355 (USE FORMAT 7 OR 9 FOR FULLTEXT)  
Business & Finance (Reviews): Ulysses set to turn the tables on the critics  
RORY KELLEHER  
IRISH TIMES, p56  
August 04, 2000  
JOURNAL CODE: FIR1 LANGUAGE: English RECORD TYPE: FULLTEXT  
WORD COUNT: 931

(USE FORMAT 7 OR 9 FOR FULLTEXT)

The system will give its subscribers , who would submit reviews , a sense of ownership over the review process and perhaps make such reviews less subjective. It will also create a practically maintenance...

...the main problems that such a system would face would be the prospect of individual users .. submitting deliberately malicious or untruthful reviews just to either mess up the system or because of a personal dislike they may...

...than those of somebody who was erratic.

The system also has a personalisation layer and collaborative filtering , which gives the system its ability to bring together groups of users with similar preferences...

...bars that they would be more likely to enjoy.

The challenge of actually getting Internet users to submit reviews on a regular basis on a range of different topics to a site may be the greatest obstacle to Ulysses's success.

However, the system's developers believe that incentive and discount schemes for areas within the user 's interests, which would reward people for submitting reviews , may get around this problem.

Ms Ferrario said that many databases such as music databases...

10/3,K/29

DIALOG(R)File 20:Dialog Global Reporter  
(c) 2006 Dialog. All rts. reserv.

02663629 (USE FORMAT 7 OR 9 FOR FULLTEXT)

Realize Communications Awards Airline Miles to Newsgroup Users Who Fight Spam

PR NEWSWIRE

September 01, 1998

JOURNAL CODE: WPRW LANGUAGE: English RECORD TYPE: FULLTEXT  
WORD COUNT: 705

(USE FORMAT 7 OR 9 FOR FULLTEXT)  
Realize Communications Awards Airline Miles to Newsgroup Users Who Fight Spam

New Incentive Technology Improves Newsgroups By Rewarding Users for Posting

And Rating Messages

... realize.com ) made its industry debut today with the launch of a new technology that rewards newsgroup participants for making valuable contributions to discussion groups. By rewarding users who identify inappropriate messages and post valuable messages, Realize's Incentive Technology combats a growing spam problem that currently impedes communication for more than 20 million newsgroup users.

Realize's proprietary Incentive Technology draws upon advances in database technology, artificial intelligence and user interface design to encourage and track user feedback. By offering incentive points redeemable for airline miles, Realize helps reduce noise and add value to Internet message...

... newsgroups through Realize's Web site at <http://www.realize.com>, where they can earn incentives called Qy(TM) Points by classifying messages as "not appropriate," "appropriate," or "very appropriate." Additionally...

... with Netcentives, or donated to charity. "Realize is exciting because they bring the power of incentives to message boards," said West Shell III, CEO of Netcentives.

Realize is the only company on the Internet backing a commitment to community with this kind of incentive , according to Ginn. The company chose to create Qy Points as incentives because they represent quality according to the values of each online community, and acknowledge useful contributions .

Through its Web site, Realize currently provides free user access to the top 50 Usenet newsgroups based on the number of subscribers and postings...

... time to wade through hundreds of irrelevant messages, and Realize helps solve that problem."

Realize Rewards Valuable Contributions, Fosters Quality Newsgroups  
Message board technology has not changed fundamentally since it was...

... against spam and other junk in newsgroups with a technology that goes far beyond traditional collaborative filtering ,," Ginn said. "Our Incentive Technology uniquely encourages valuable postings, which will ultimately foster stronger Internet communities by improving the...

... Internet company that facilitates the shared pursuit of interest on message boards. Realize uses proprietary incentive technology to filter out noise and help highlight valuable messages. For additional information, call 800...

## Non-Patent Literature Full-Text cont.

| Set  | Items   | Description   |
|------|---|---|
| S1   | 30169   | RECOMMENDATION(1N)(SYSTEM? OR APPARATUS OR PROGRAM?) OR (COLLABORATIVE OR SOCIAL OR ACTIVE OR PEER)(1N)FILTER? OR (COMMUNITY OR COLLECTING OR COLLECTED OR PEER)(3N)(RATE? ? OR RATING OR RANK? ? OR RANKING OR RECOMMENDATION? OR SCOR???) OR SELF()GENERATI |
| S2   | 9594443   | USER OR USERS OR CONSUMER? ? OR CUSTOMER? ? OR CLIENT? ? OR SHOPPER? ? OR PURCHASER? ? OR BUYER? ? OR SUBSCRIBER? ? OR CONTRIBUTOR? ? OR MEMBER? ?  |
| S3   | 11035903  | SUBMIT OR SUBMITT??? OR SUPPL? OR ENTER??? OR INPUT??? OR -(PUT OR PUTS)()IN OR ADD OR ADDS OR CONTRIBUTB??? OR PROVIDE OR PROVIDES OR PROVIDED OR PROVIDING OR REGISTER??? OR REGISTRATION   |
| S4   | 4777802   | CONTENT OR REVIEW? ? OR RECOMMENDATION? OR CONTRIBUTION?  |
| S5   | 1043049   | INCENTIVE? ? OR REWARD? OR SPECIAL()OFFER? OR FREEBIES  |
| S6   | 27922   | S2(5N)S3(5N)S4  |
| S7   | 153   | S6 AND S1   |
| S8   | 47  | S7 AND S5   |
| S9   | 64  | S6(4S)S1  |
| S10  | 13  | S9 AND S5   |
| S11  | 12  | RD (unique items)   |
| S12  | 16775104  | MORE OR GREATER OR HIGHER   |
| S13  | 9980163   | NUMBER OR TIMES OR OFTEN OR FREQUENT OR FREQUENCY   |
| S14  | 12538   | REPEAT(3N)S2  |
| S15  | 6142234   | GET()BACK OR GETBACK OR RECEIVE OR USE OR USAGE   |
| S16  | 6481431   | LIMIT??? OR LIMITATION? OR RESTRICT? OR EXCLUD? OR PROHIBIT? OR CONTROL?  |
| S17  | 48862   | ((S12(7N)S13) OR S14)(S)S15   |
| S18  | 78148   | S16(7N)S4   |
| S19  | 22  | S7 AND (S17 OR S18)   |
| S20  | 31  | S11 OR S19  |
| S21  | 19  | S20 NOT PY>2000   |
| S22  | 19  | RD (unique items)   |
| File | 47:Gale Group Magazine DB(TM) 1959-2006/Nov 01                  | (c) 2006 The Gale group   |
| File | 570:Gale Group MARS(R) 1984-2006/Nov 02                         | (c) 2006 The Gale Group   |
| File | 635:Business Dateline(R) 1985-2006/Nov 02                       | (c) 2006 ProQuest Info&Learning   |
| File | 476:Financial Times Fulltext 1982-2006/Nov 02                   | (c) 2006 Financial Times Ltd  |
| File | 477:Irish Times 1999-2006/Nov 02                                | (c) 2006 Irish Times  |
| File | 710:Times/Sun.Times(London) Jun 1988-2006/Nov 02                | (c) 2006 Times Newspapers   |
| File | 711:Independent(London) Sep 1988-2006/Nov 02                    | (c) 2006 Newspaper Publ. PLC  |
| File | 756:Daily/Sunday Telegraph 2000-2006/Nov 02                     | (c) 2006 Telegraph Group  |
| File | 757:Mirror Publications/Independent Newspapers 2000-2006/Nov 02 | (c) 2006  |
| File | 387:The Denver Post 1994-2006/Nov 01                            | (c) 2006 Denver Post  |
| File | 471:New York Times Fulltext 1980-2006/Nov 02                    | (c) 2006 The New York Times   |
| File | 492:Arizona Repub/Phoenix Gaz 19862002/Jan 06                   | (c) 2002 Phoenix Newspapers   |
| File | 494:St LouisPost-Dispatch 1988-2006/Nov 01                      | (c) 2006 St Louis Post-Dispatch   |
| File | 631:Boston Globe 1980-2006/Oct 29                               | (c) 2006 Boston Globe   |

File 633:Phil.Inquirer 1983-2006/Oct 29  
(c) 2006 Philadelphia Newspapers Inc  
File 638:Newsday/New York Newsday 1987-2006/Nov 02  
(c) 2006 Newsday Inc.  
File 640:San Francisco Chronicle 1988-2006/Nov 02  
(c) 2006 Chronicle Publ. Co.  
File 641:Rocky Mountain News Jun 1989-2006/Nov 02  
(c) 2006 Scripps Howard News  
File 702:Miami Herald 1983-2006/Oct 29  
(c) 2006 The Miami Herald Publishing Co.  
File 703:USA Today 1989-2006/Nov 01  
(c) 2006 USA Today  
File 704:(Portland)The Oregonian 1989-2006/Nov 01  
(c) 2006 The Oregonian  
File 713:Atlanta J/Const. 1989-2006/Nov 02  
(c) 2006 Atlanta Newspapers  
File 714:(Baltimore) The Sun 1990-2006/Nov 02  
(c) 2006 Baltimore Sun  
File 715:Christian Sci.Mon. 1989-2006/Nov 02  
(c) 2006 Christian Science Monitor  
File 725:(Cleveland)Plain Dealer Aug 1991-2006/Nov 01  
(c) 2006 The Plain Dealer  
File 735:St. Petersburg Times 1989- 2006/Nov 01  
(c) 2006 St. Petersburg Times

19/3,K/14 (Item 14 from file: 47) Note: background  
DIALOG(R)File 47:Gale Group Magazine DB(TM)  
(c) 2006 The Gale group. All rts. reserv.

04805772 SUPPLIER NUMBER: 19682447 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
Advice from the web. ( recommendation systems ) (includes related  
articles on the features of recommendation systems , and on  
personalizing the content of the systems)(Your Personal Internet)  
(Internet/Web/Online Service Information)(Cover Story)

Dragan, Richard V.; Lidsky, David; Munro, Jay  
PC Magazine, v16, n15, p133(7)  
Sep 9, 1997

DOCUMENT TYPE: Cover Story ISSN: 0888-8507 LANGUAGE: English  
RECORD TYPE: Fulltext; Abstract  
WORD COUNT: 3585 LINE COUNT: 00294

Advice from the web. ( recommendation systems ) (includes related  
articles on the features of recommendation systems , and on  
personalizing the content of the systems)(Your Personal Internet)  
(Internet/Web/Online Service...)

ABSTRACT: Web recommendation systems attempt to predict a person's  
preferences based on the preferences of others. Most began...

...Perceptions from the University of Minnesota, and Wisewire from Carnegie  
Mellon. LikeMinds is the only recommendation system that has received a  
US patent for collaborative filtering technology, which uses algorithms  
to predict a person's likes or dislikes based on a...

...preferences, and when matches are found, it recommends other items that  
like-minded people liked. Recommendation systems match well with Web  
commerce by allowing vendors to target their ads, but users sacrifice...  
... many tactics to provide some measure of personalization, from  
asking for demographic information to implementing recommendation  
systems , a promising new technology that predicts your likes and dislikes  
based on the tastes of others.

You can trace the roots of recommendation systems to several  
independent groups of researchers who, with the rise of the web, parlayed

**Inventor Search**

Set      Items      Description

S1      211      AU=(KUTSUMI, H? OR KUTSUMI H? OR HIROSHI(2N)KUTSUMI) OR BY-  
              =(HIROSHI(2N)KUTSUMI)

S2      4678     AU=(ARAKI, S? OR ARAKI S? OR SHOUICHI(2N)ARAKI) OR BY=(SHO-  
              UICHI(2N)ARAKI)

S3      176      AU=(NAITO, E? OR NAITO E? OR EIICHI(2N)NAITO) OR BY=(EIICH-  
              I(2N)NAITO)

S4      878      AU=(HIRATSUKA, T? OR HIRATSUKA T? OR TOMOYASU(2N)HIRATSUKA)  
              OR BY=(TOMOYASU(2N)HIRATSUKA)

S5      2      AU=(JITOUSHO, Y? OR JITOUSHO Y? OR JITOUSHO(2N)YUUMI) OR BY-  
              =(JITOUSHO(2N)YUUMI)

S6      2      S1 AND S2 AND S3 AND S4 AND S5

S7      2      S6 AND IC=(G06F-017/60 OR G06F-017/30 OR G06Q-30/00 OR G0-  
              7F-07/00)

File 350:Derwent WPIX 1963-2006/UD=200669  
(c) 2006 The Thomson Corporation

File 344:Chinese Patents Abs Jan 1985-2006/Jan  
(c) 2006 European Patent Office

File 347:JAPIO Dec 1976-2006/Jan(updated 061009)  
(c) 2006 JPO & JAPIO

File 348:EUROPEAN PATENTS 1978-2006/ 200643  
(c) 2006 European Patent Office

File 349:PCT FULLTEXT 1979-2006/UB=20061026UT=20061019  
(c) 2006 WIPO/Thomson

**7/5/1 (Item 1 from file: 350)**

DIALOG(R)File 350:Derwent WPIX  
(c) 2006 The Thomson Corporation. All rts. reserv.

0011154376 - Drawing available

WPI ACC NO: 2002-091654/

XRPX Acc No: N2002-067505

Information recommendation apparatus for Internet, selects and recommends contents coinciding with or similar to input condition, from multiple contents stored in database

Patent Assignee: MATSUSHITA DENKI SANGYO KK (MATU); MATSUSHITA ELECTRIC IND CO LTD (MATU)

Inventor: ARAKI S ; HIRATSUKA T ; JITOUSHO H; JITOUSHO Y ; KUTSUMI H ; NAITO E

Patent Family (5 patents, 30 countries)

Patent Application

| Number         | Kind | Date     | Number         | Kind | Date     | Update   |
|----------------|------|----------|----------------|------|----------|----------|
| EP 1156424     | A2   | 20011121 | EP 2001111063  | A    | 20010508 | 200213 B |
| US 20010044759 | A1   | 20011122 | US 20011851791 | A    | 20010509 | 200213 E |
| JP 2002041670  | A    | 20020208 | JP 2001197578  | A    | 20010329 | 200215 E |
| CN 1324045     | A    | 20011128 | CN 20011116949 | A    | 20010509 | 200219 E |
| KR 2001106218  | A    | 20011129 | KR 2001125065  | A    | 20010509 | 200234 E |

Priority Applications (no., kind, date): JP 2000145169 A 20000517

Patent Details

| Number     | Kind | lan | Pg | Dwg | Filing Notes |
|------------|------|-----|----|-----|--------------|
| EP 1156424 | A2   | EN  | 64 | 29  |              |

Regional Designated States,Original: AL AT BE CH CY DE DK ES FI FR GB GR  
IE IT LI LT LU LV MC MK NL PT RO SE SI TR  
JP 2002041670 A JA 44

Alerting Abstract EP A2

NOVELTY - An input unit (3) inputs conditions representing predetermined items and attribute values designated by user terminal (100) through Internet (500). A recommendation unit (4) selects and recommends a content from multiple contents stored in content database (2), the selected content coinciding with the input condition. The contents are then output to user.

DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

- 1.Information recommendation system;
- 2.Information recommendation program

USE - For providing requested information from abundant information through Internet for e.g. providing recipes for presentable dishes, recipes for nutritionally balanced dishes, etc., as registered by cooking specialists, dietitians, etc.

ADVANTAGE - Enables to prepare abundant contents. Enables to recover maintenance cost for constructing and maintaining a large database. Enables to easily find out information that is exactly suitable for user but unnoticed. Provides recipes suited for actual daily menus for family. Provides recipes not void of viewpoints obtained by result of actually using the recipes and suited for actual situations.

DESCRIPTION OF DRAWINGS - The figure shows the system configuration view of information recommendation apparatus.

- 2 Content database
- 3 Input unit
- 4 Recommendation unit
- 100 User terminal
- 500 Internet

Title Terms/Index Terms/Additional Words: INFORMATION; APPARATUS; SELECT; CONTENT; COINCIDE; SIMILAR; INPUT; CONDITION; MULTIPLE; STORAGE; DATABASE

#### Class Codes

International Classification (Main): G06F-017/00, G06F-017/30 ,  
G06F-017/60

(Additional/Secondary): G06F-015/18, G06F-007/00  
US Classification, Issued: 705027000, 705014000, 707104100

File Segment: EPI;  
DWPI Class: T01

Manual Codes (EPI/S-X): T01-J05B4P; T01-N01A2A; T01-S03

7/5/2 (Item 1 from file: 348)  
DIALOG(R)File 348:EUROPEAN PATENTS  
(c) 2006 European Patent Office. All rts. reserv.

01355177

Information recommendation apparatus and information recommendation system  
System und Vorrichtung zum Empfehlen von Informationen  
Système et appareil de recommandation d'informations

#### PATENT ASSIGNEE:

MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD., (216883), 1006, Oaza-Kadoma,  
Kadoma-shi, Osaka 571-8501, (JP), (Applicant designated States: all)

#### INVENTOR:

Kutsumi, Hiroshi, 1-4-31, Terakatanishikidori, Moriguchi-shi, Osaka  
570-0042, (JP)

Araki, Shouichi, 3-15-22-503, Imafukuhigashi, Joto-ku, Osaka-shi,  
Osaka 536-0002, (JP)

Naito, Eiichi, 2-31, Takigikuwanoki, Kyotanabe-shi, Kyoto 610-0341,  
(JP)

Hiratsuka, Tomoyasu, Park City Chiharadai 2-510, 3-32-1-1, Chiaradai,  
Ichibara-shi, Chiba 290-0158, (JP)

Jitousho, Yuumi, 3-13-2-105, Osone, Minatokita-ku, Yokohama-shi,  
Kanagawa 222-0003, (JP)

#### LEGAL REPRESENTATIVE:

Grunecker, Kinkeldey, Stockmair & Schwanhausser Anwaltssozietat (100721),  
Maximilianstrasse 58, 80538 Munchen, (DE)

PATENT (CC, No, Kind, Date): EP 1156424 A2 011121 (Basic)

APPLICATION (CC, No, Date): EP 2001111063 010508;

PRIORITY (CC, No, Date): JP 2000145169 000517

DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI;

LU; MC; NL; PT; SE; TR

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS (V7): G06F-017/30

ABSTRACT EP 1156424 A2

An information recommendation apparatus has recommendation means of selecting and recommending contents coincident with or similar to conditions input by condition input means of inputting the conditions represented by predetermined items and attribute values corresponding thereto designated through the terminal of a user via the Internet, from among contents formed of plural pieces of data having plural items and attribute values corresponding thereto and stored in a content database in which the contents are registered by registration means, wherein

the recommended contents are output to the terminal by output means via the Internet.

ABSTRACT WORD COUNT: 96

NOTE:

Figure number on first page: 1

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application: 011121 A2 Published application without search report

Withdrawal: 051026 A2 Date of withdrawal of application: 20050831

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

| Available Text                     | Language  | Update | Word Count |
|------------------------------------|-----------|--------|------------|
| CLAIMS A                           | (English) | 200147 | 4079       |
| SPEC A                             | (English) | 200147 | 21944      |
| Total word count - document A      |           |        | 26023      |
| Total word count - document B      |           |        | 0          |
| Total word count - documents A + B |           |        | 26023      |

**Inventor Search cont.**

| Set  | Items   | Description   |
|------|---|---|
| S1   | 211   | AU=(KUTSUMI, H? OR KUTSUMI H? OR HIROSHI(2N)KUTSUMI) OR BY-=(HIROSHI(2N)KUTSUMI)          |
| S2   | 4678  | AU=(ARAKI, S? OR ARAKI S? OR SHOUICHI(2N)ARAKI) OR BY=(SHOUICHI(2N)ARAKI)                 |
| S3   | 176   | AU=(NAITO, E? OR NAITO E? OR EIICHI(2N)NAITO) OR BY=(EIICHI(2N)NAITO)                     |
| S4   | 878   | AU=(HIRATSUKA, T? OR HIRATSUKA T? OR TOMOYASU(2N)HIRATSUKA) OR BY=(TOMOYASU(2N)HIRATSUKA) |
| S5   | 2   | AU=(JITOUSHO, Y? OR JITOUSHO Y? OR JITOUSHO(2N)YUUMI) OR BY=(JITOUSHO(2N)YUUMI)           |
| S6   | 2   | S1 AND S2 AND S3 AND S4 AND S5  |
| S7   | 2   | S6 AND IC=(G06F-017/60 OR G06F-017/30 OR G06Q-30/00 OR G0-7F-07/00)                       |
| S8   | 5854  | S1 OR S2 OR S3 OR S4 OR S5 OR S6  |
| S9   | 186   | S8 AND IC=(G06F-017/60 OR G06F-017/30 OR G06Q-30/00 OR G0-7F-07/00)                       |
| S10  | 186   | IDPAT (sorted in duplicate/non-duplicate order)   |
| S11  | 91  | IDPAT (primary/non-duplicate records only)  |
| S12  | 31  | S11 AND (CONTENT OR REVIEW? ? OR RECOMMENDATION? OR CONTRIBUTION? OR SUBMISSION? )        |
| File | 350:Derwent WPIX 1963-2006/UD=200669              |   |
|      | (c) 2006 The Thomson Corporation                  |   |
| File | 344:Chinese Patents Abs Jan 1985-2006/Jan         |   |
|      | (c) 2006 European Patent Office                   |   |
| File | 347:JAPIO Dec 1976-2006/Jan(Updated 061009)       |   |
|      | (c) 2006 JPO & JAPIO                              |   |
| File | 348:EUROPEAN PATENTS 1978-2006/ 200643            |   |
|      | (c) 2006 European Patent Office                   |   |
| File | 349:PCT FULLTEXT 1979-2006/UB=20061026UT=20061019 |   |
|      | (c) 2006 WIPO/Thomson                             |   |

**9/5/4 (Item 4 from file: 2)**

DIALOG(R)File 2:INSPEC

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08861558 INSPEC Abstract Number: B2004-03-6250F-232, C2004-03-7250R-021  
**Title:** Cellular phone ringing tone recommendation system based on collaborative filtering method

**Author(s):** Kostov, V.; Naito, E. ; Ozawa, J.  
**Author Affiliation:** Adv. Technol. Res. Labs., Matsushita Electr. Ind. Co. Ltd., Kyoto, Japan

**Conference Title:** Proceedings 2003 IEEE International Symposium on Computational Intelligence in Robotics and Automation. Computational Intelligence in Robotics and Automation for the New Millennium (Cat. No.03EX694) Part vol.1 p.378-83 vol.1

**Publisher:** IEEE, Piscataway, NJ, USA  
**Publication Date:** 2003 **Country of Publication:** USA **3 vol.xlvi+1556 pp.**

**ISBN:** 0 7803 7866 0 **Material Identity Number:** xx-2003-02839  
**U.S. Copyright Clearance Center Code:** 0-7803-7866-0/03/\$17.00  
**Conference Title:** Proceedings 2003 IEEE International Symposium on Computational Intelligence in Robotics and Automation

**Conference Sponsor:** IEEE Robotics & Automation Soc

**Conference Date:** 16-20 July 2003 **Conference Location:** Kobe, Japan

**Medium:** Also available on CD-ROM in PDF format

**Language:** English **Document Type:** Conference Paper (PA)

**Treatment:** Practical (P); Theoretical (T)

**Abstract:** We have developed a prototype of cellular phone ringing tone recommendation system using memory-based collaborative filtering and we have carried out examinations to evaluate its performance. The ringing tone content was stored on a server from where the users were able to download the desired items according to their preferences. An extensive log data

accumulated at the download service site for a fixed period of time was used. The log data contained only information for the users' downloaded ringing tones without evaluation data. The user set and the tone downloadable content set were not fixed and our goal was to investigate how collaborative filtering could be successfully applied to a system with such continuously changing conditions. The Jaccard's similarity coefficient was used to calculate the similarity between the users. The learning period, the recommendation period and the number of the similar users were used as condition parameters. The system quality evaluation showed that the recall increases with the increase of the learning period but decreases with the increase of the recommendation period. Optimal values for the number of the most similar users as well as for the learning and the recommendation periods were experimentally obtained. It was shown that the collaborative filtering method could be successfully applied to a cellular phone ringing tone recommendation system. (8 Refs)

Subfile: B C  
Descriptors: cellular radio; information retrieval; learning systems; mobile handsets  
Identifiers: cellular phone; ringing tone recommendation system; memory based collaborative filtering method; server; download service; log data; learning period  
Class Codes: B6250F (Mobile radio systems); C7250R (Information retrieval techniques); C7410F (Communications computing); C6170K (Knowledge engineering techniques)  
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9/5/6 (Item 6 from file: 2)  
DIALOG(R)File 2:INSPEC  
(c) 2006 Institution of Electrical Engineers. All rts. reserv.

08739651 INSPEC Abstract Number: C2003-11-7210N-009  
Title: Development of a user adaptive home page recommendation software, "WebNavigator"  
Author(s): Kutsumi, H. ; Naito, E. ; Araki, S. ; Emura, S.; Arai, T.  
Author Affiliation: Adv. Technol. Res. Labs., Matsushita Electr. Ind. Co. Ltd., Kyoto, Japan  
Journal: Systems and Computers in Japan vol.34, no.3 p.44-52  
Publisher: Scripta Technica,  
Publication Date: March 2003 Country of Publication: USA  
CODEN: SCJAEP ISSN: 0882-1666  
SICI: 0882-1666(200303)34:3L.44:DUAH;1-A  
Material Identity Number: J969-2003-003  
Language: English Document Type: Journal Paper (JP)  
Treatment: Applications (A); Practical (P); Experimental (X)  
Abstract: The authors report on the development of their software "WebNavigator," a tool for gathering home page information easily for new Internet users, which learns the preferences of the user based on home page viewing history and then recommends new home pages based on those preferences. The important factors in learning a user's preferences are immediacy for tracking changes in interests and stability so as not to be affected by the noise included in the observed data. Issues for the software include setting parameters to unify the earlier user profile and the feature vector for home pages being viewed at present. These rate parameters are found by learning, using several home pages deemed to be "interesting" or "not interesting" to the user. The changes in the user's interests can be tracked by observing the changes in these parameters over time. In this paper, the authors describe the results of evaluating the validity of the software's home page recommendations by investigating experimentally the changes in various users' interests. (12 Refs)

Subfile: C  
Descriptors: information retrieval system evaluation; Web design  
Identifiers: WebNavigator; home page recommendation software; new Internet users; user preferences; home page viewing history; immediacy;

feature vector; user profile; learning; evaluation; user interest changes  
 Class Codes: C7210N (Information networks); C7250 (Information storage  
 and retrieval)

Copyright 2003, IEE

12/5/1 (Item 1 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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0015488178 - Drawing available

WPI ACC NO: 2006-024775/200603

XRPX Acc No: N2006-021619

Information providing apparatus selects content description information from different types of content description information stored in content description information management apparatus, based on user interest information

Patent Assignee: MATSUSHITA DENKI SANGYO KK (MATU)

Inventor: KUTSUMI H ; NAITO E ; OZAWA J ; YOSHIDA H

Patent Family (1 patents, 1 countries)

Patent Application

| Number        | Kind | Date     | Number        | Kind | Date     | Update   |
|---------------|------|----------|---------------|------|----------|----------|
| JP 2005339523 | A    | 20051208 | JP 2005127411 | A    | 20050426 | 200603 B |

Priority Applications (no., kind, date): JP 2004129619 A 20040426

#### Patent Details

| Number        | Kind | Lan | Pg | Dwg | Filing Notes |
|---------------|------|-----|----|-----|--------------|
| JP 2005339523 | A    | JA  | 61 | 62  |              |

#### Alerting Abstract JP A

NOVELTY - A content information selection unit (131) selects content description information from different types of content description information (111-113) stored in content description information management apparatus (11), based on the user interest information. A content provision unit (133) provides recommendation contents acquired corresponding to selected content description information, to user terminal (14).

DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

1.information providing method; and

2.information providing program.

USE - For providing information such as digital contents and TV program using communication network.

ADVANTAGE - Provides information which reflects user's interest exactly without being dependent on the terminal which the user operated or the browsed terminal.

DESCRIPTION OF DRAWINGS - The figure shows an information providing system. (Drawing includes non-English language text).

11 content description information management apparatus

13 content recommendation apparatus

14 user terminal

111-113 content description information

133 content provision unit

Title Terms/Index Terms/Additional Words: INFORMATION; APPARATUS; SELECT; CONTENT ; DESCRIBE; TYPE; STORAGE; MANAGEMENT; BASED; USER; INTEREST

#### Class Codes

International Classification (Main): G06F-017/30

File Segment: EPI;

DWPI Class: T01; W02

Manual Codes (EPI/S-X): T01-J05B1; T01-N01D2; W02-F04B; W02-F10E3

12/5/3 (Item 3 from file: 350)  
 DIALOG(R)File 350:Derwent WPIX  
 (c) 2006 The Thomson Corporation. All rts. reserv.

0015350489 - Drawing available  
 WPI ACC NO: 2005-700748/200572  
 XRPX Acc No: N2005-574929

Broadcast program watching support apparatus for television, judges similarity of program in watching guide in current location of support apparatus and program in recordable program guide in current location of recording apparatus

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (MATU); NAITO E (NAIT-I); OZAWA J (OZAW-I)

Inventor: NAITO E; OZAWA J

Patent Family (2 patents, 107 countries)

| Patent Number  | Kind | Date     | Number        | Kind | Date     | Update   |
|----------------|------|----------|---------------|------|----------|----------|
| US 20050213938 | A1   | 20050929 | WO 2005JP5351 | A    | 20050324 | 200572 B |
|                |      |          | US 2005132271 | A    | 20050519 |          |
| WO 2005094073  | A1   | 20051006 | WO 2005JP5351 | A    | 20050324 | 200572 E |

Priority Applications (no., kind, date): JP 200489681 A 20040325

#### Patent Details

| Number         | Kind | Lan | Pg | Dwg | Filing Notes                              |
|----------------|------|-----|----|-----|---|
| US 20050213938 | A1   | EN  | 68 | 45  | Continuation of application WO 2005JP5351 |

WO 2005094073 A1 JA

National Designated States,Original: AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NA NI NO NZ OM PG PH PL PT RO RU SC SD SE SG SK SL SM SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

Regional Designated States,Original: AT BE BG BW CH CY CZ DE DK EA EE ES FI FR GB GH GM GR HU IE IS IT KE LS LT LU MC MW MZ NA NL OA PL PT RO SD SE SI SK SL SZ TR TZ UG ZM ZW

#### Alerting Abstract US A1

NOVELTY - A judgment unit judges the similarity of program included in watching possible program guide in current location of support apparatus and program included in recordable program guide in a current location of recording apparatus. A display unit displays the judged similarity of program.

DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

1. program recording system;
2. recording apparatus;
3. watching support method;
4. program recording method;
5. program for supporting watching program; and
6. program for recording program in system.

USE - For watching and recording program such as television broadcast in recording apparatus (claimed) such as television (TV), hard disk recorder, digital versatile disk (DVD) recorder, cellular phone and in-car display.

ADVANTAGE - Enables to support easily recording currently broadcasted

program or program to be broadcasted by an in-home recording apparatus, according to user's residential area and current location.

**DESCRIPTION OF DRAWINGS** - The figure shows a block diagram of the program watching support apparatus.

**Title Terms/Index Terms/Additional Words:** BROADCAST; PROGRAM; WATCH; SUPPORT; APPARATUS; TELEVISION; JUDGEMENT; SIMILAR; GUIDE; CURRENT; LOCATE; RECORD

#### Class Codes

**International Classification (Main):** H04N-005/76  
**(Additional/Secondary):** G06F-013/00, G06F-017/60, G06F-003/00,  
 H04M-011/00, H04N-005/445, H04N-005/765, H04N-005/91, H04N-007/173  
**US Classification, Issued:** 386083000, 725058000

**File Segment:** EPI;  
**DWPI Class:** T01; W03; W04  
**Manual Codes (EPI/S-X):** T01-J08A; T01-J12A; T01-S03; W03-A13J; W03-A18A5;  
 W04-F01F

12/5/4 (Item 4 from file: 350)  
 DIALOG(R)File 350:Derwent WPIX  
 (c) 2006 The Thomson Corporation. All rts. reserv.

0015184107 - Drawing available  
 WPI ACC NO: 2005-533699/200554  
 XRPX Acc No: N2005-437035

**Dictionary production apparatus for internet search system, determines whether keyword is registered into dictionary, or deleted from dictionary based on evaluated value of keyword**

**Patent Assignee:** MATSUSHITA ELECTRIC IND CO LTD (MATU)

**Inventor:** KUTSUMI H ; NAITO E ; OZAWA J; YOSHIDA H

**Patent Family (1 patents, 106 countries)**

**Patent Application**

| <b>Number</b> | <b>Kind</b> | <b>Date</b> | <b>Number</b>  | <b>Kind</b> | <b>Date</b> | <b>Update</b> |
|---------------|-------------|-------------|----------------|-------------|-------------|---------------|
| WO 2005066837 | A1          | 20050721    | WO 2004JP17578 | A           | 20041126    | 200554 B      |

**Priority Applications (no., kind, date):** JP 2003433872 A 20031226

#### Patent Details

| <b>Number</b> | <b>Kind</b> | <b>Lan</b> | <b>Pg</b> | <b>Dwg</b> | <b>Filing Notes</b> |
|---------------|-------------|------------|-----------|------------|---------------------|
| WO 2005066837 | A1          | JA         | 90        | 35         |                     |

**National Designated States,Original:** AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NA NI NO NZ OM PG PH PL PT RO RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

**Regional Designated States,Original:** AT BE BG BW CH CY CZ DE DK EA EE ES FI FR GB GH GM GR HU IE IS IT KE LS LU MC MW MZ NA NL OA PL PT RO SD SE SI SK SL SZ TR TZ UG ZM ZW

#### Alerting Abstract WO A1

**NOVELTY** - A keyword extractor extracts a keyword from text. A dictionary registration-deletion unit registers or deletes the extracted keyword in dictionary. A calculator calculates statistic related to appearance of keyword in the text information group to calculate evaluated value of keyword. A determinator determines whether keyword is registered into dictionary, or deleted from dictionary based on calculated value.

**DESCRIPTION** - INDEPENDENT CLAIMS are also included for the following:

- 1.electronic program guide program retrieval device;
- 2.electronic program search system;

3.dictionary production method; and

4.dictionary production program.

USE - For electronic program guide search system, internet search system.

ADVANTAGE - Enables maintaining dictionary at an optimal state always. Enables searching, categorizing, filtering electronic program guide (EPG), efficiently.

DESCRIPTION OF DRAWINGS - The figure shows the block diagram of the structure of dictionary production apparatus. (Drawing includes non-English language text).

**Title Terms/Index Terms/Additional Words:** DICTIONARY; PRODUCE; APPARATUS; SEARCH; SYSTEM; DETERMINE; KEYWORD; REGISTER; DELETE; BASED; EVALUATE; VALUE

#### Class Codes

International Classification (Main): G06F-017/30  
(Additional/Secondary): H04N-005/44

File Segment: EPI;

DWPI Class: T01

Manual Codes (EPI/S-X): T01-J11A1; T01-N03A2; T01-S03

12/5/6 (Item 6 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2006 The Thomson Corporation. All rts. reserv.

0014635017 - Drawing available

WPI ACC NO: 2004-817016/

XRPX Acc No: N2004-644638

Content information providing method involves storing information about evaluation of content by several users and corresponding evaluation date, and determining similarity between users, at set time period

Patent Assignee: MATSUSHITA DENKI SANGYO KK (MATU)

Inventor: NAITO E ; OZAWA

Patent Family (1 patents, 1 countries)

Patent Application

| Number        | Kind | Date     | Number        | Kind | Date     | Update   |
|---------------|------|----------|---------------|------|----------|----------|
| JP 2004326227 | A    | 20041118 | JP 2003116839 | A    | 20030422 | 200481 B |

Priority Applications (no., kind, date): JP 2003116839 A 20030422

#### Patent Details

| Number        | Kind | Lan | Pg | Dwg | Filing Notes |
|---------------|------|-----|----|-----|--------------|
| JP 2004326227 | A    | JA  | 12 | 11  |              |

#### Alerting Abstract JP A

NOVELTY - A storage unit stores information about the evaluation of content by several users and the corresponding evaluation date. The similarity between the users is determined, at the set time period, and the content is recommended to the user based on the stored data and the similarity between the users.

DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

1. content information providing apparatus;

2. content information providing program; and

3.recorded medium storing content information providing program.

USE - For providing content information to user, through network such

as Internet.

**ADVANTAGE** - The desired content is recommended to the user, in an efficient and effective manner.

**DESCRIPTION OF DRAWINGS** - The figure shows the block diagram of the structure of the content information providing apparatus. (Drawing includes non-English language text).

1 information providing apparatus

2 terminal

102 database

103 search unit

104 storage unit{105) setting unit

**Title Terms/Index Terms/Additional Words:** CONTENT ; INFORMATION; METHOD; STORAGE; EVALUATE; USER; CORRESPOND; DATE; DETERMINE; SIMILAR; SET; TIME; PERIOD

#### Class Codes

International Classification (Main): G06F-017/30

(Additional/Secondary): G06F-013/00, G06F-017/60 , G06N-005/04

File Segment: EPI;

DWPI Class: T01

Manual Codes (EPI/S-X): T01-N01D; T01-N03A2; T01-S03

12/5/7 (Item 7 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2006 The Thomson Corporation. All rts. reserv.

0014264192 - Drawing available

WPI ACC NO: 2004-450534/200442

XRPX Acc No: N2004-356547

Device operation history utilization system e.g. for digital TV, has application server for providing service by inquiring user agent about preset operation history including operation time and content of device operated by user

Patent Assignee: ARAKI S (ARAK-I); KUTSUMI H (KUTS-I); MATSUSHITA DENKI SANGYO KK (MATU); MATSUSHITA ELECTRIC IND CO LTD (MATU); MATSUURA S (MATS-I); YOSHIDA A (YOSH-I)

Inventor: ARAKI S ; KUTSUMI H ; MATSUURA S; YOSHIDA A

Patent Family (6 patents, 105 countries)

Patent Application

| Number         | Kind | Date     | Number          | Kind | Date     | Update   |
|----------------|------|----------|-----------------|------|----------|----------|
| WO 2004049225  | A1   | 20040610 | WO 2003JP14776  | A    | 20031120 | 200442 B |
| JP 2004185612  | A    | 20040702 | JP 2003391342   | A    | 20031120 | 200443 E |
| AU 2003284584  | A1   | 20040618 | AU 2003284584   | A    | 20031120 | 200471 E |
| JP 3720037     | B2   | 20051124 | JP 2003391342   | A    | 20031120 | 200581 E |
| US 20060053219 | A1   | 20060309 | WO 2003JP14776  | A    | 20031120 | 200618 E |
|                |      |          | US 2005535394   | A    | 20050518 |          |
| CN 1735903     | A    | 20060215 | CN 200380103862 | A    | 20031120 | 200643 E |

Priority Applications (no., kind, date): JP 2002339702 A 20021122

#### Patent Details

Number Kind Lan Pg Dwg Filing Notes

WO 2004049225 A1 JA 106 59

National Designated States,Original: AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NI NO NZ OM PG PH PL PT RO RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

Regional Designated States,Original: AT BE BG BW CH CY CZ DE DK EA EE ES FI FR GB GH GM GR HU IE IT KE LS LU MC MW MZ NL OA PT RO SD SE SI SK SL SZ TR TZ UG ZM ZW

JP 2004185612 A JA 40

AU 2003284584 A1 EN Based on OPI patent WO 2004049225  
 JP 3720037 B2 JA 39 Previously issued patent JP 2004185612

US 20060053219 A1 EN PCT Application WO 2003JP14776

**Alerting Abstract WO A1**

**NOVELTY** - An electric terminal (101) has a device agent for recording operation content and operation time of a device operated by a user, such that recorded information is set as an operation history. An electric appliance server (102) has a user agent for receiving preset operation history at specific time. An application server (103) has a service concierge for providing service, by inquiring user agent about operation history.

**DESCRIPTION** - An INDEPENDENT CLAIM is also included for operation history utilization method.

**USE** - For utilizing operation history of device such as digital television (TV), video unit, air-conditioner, illumination appliance, mini disk (MD) composition unit.

**DESCRIPTION OF DRAWINGS** - The figure shows the block diagram of the operation history utilization system. (Drawing includes non-English language text).

101 electric terminal  
 101a digital television  
 101b video unit  
 102 electric appliance server  
 103 application server

**Title Terms/Index Terms/Additional Words:** DEVICE; OPERATE; HISTORY; UTILISE ; SYSTEM; DIGITAL; TELEVISION; APPLY; SERVE; SERVICE; USER; AGENT; PRESET ; TIME; CONTENT

**Class Codes**

International Classification (Main): G06F-017/60

International Classification (+ Attributes)

IPC + Level Value Position Status Version

G06F-0015/173 A I F B 20060101  
 G06Q-0030/00 A I R 20060101  
 G06Q-0030/00 A I F 20060101  
 G06F-0015/16 C I F B 20060101  
 G06Q-0030/00 C I R 20060101

US Classification, Issued: 709224000

File Segment: EPI;

DWPI Class: T01

Manual Codes (EPI/S-X): T01-J07A; T01-J08F; T01-N01D

12/5/8 (Item 8 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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0014264191 - Drawing available

WPI ACC NO: 2004-450533/200442

XRPX Acc No: N2004-356546

Attendant circumstance utilization device judges device operation state according to new/old attendant accompanying user, and accordingly provides device function or content by referring corresponding database

Patent Assignee: ARAKI S (ARAK-I); KUTSUMI H (KUTS-I); MATSUSHITA ELECTRIC IND CO LTD (MATU); YOSHIDA A (YOSH-I)

Inventor: ARAKI S ; KUTSUMI H ; YOSHIDA A

Patent Family (5 patents, 105 countries)

Patent Application

| Number        | Kind | Date     | Number         | Kind | Date     | Update   |
|---------------|------|----------|----------------|------|----------|----------|
| WO 2004049224 | A1   | 20040610 | WO 2003JP14775 | A    | 20031120 | 200442 B |

|                |    |          |                 |   |          |        |   |
|----------------|----|----------|-----------------|---|----------|--------|---|
| AU 2003302265  | A1 | 20040618 | AU 2003302265   | A | 20031120 | 200471 | E |
| US 20060036449 | A1 | 20060216 | WO 2003JP14775  | A | 20031120 | 200614 | E |
|                |    |          | US 2005535195   | A | 20050517 |        |   |
| JP 2004554986  | X  | 20060330 | WO 2003JP14775  | A | 20031120 | 200623 | E |
|                |    |          | JP 2004554986   | A | 20031120 |        |   |
| CN 1714364     | A  | 20051228 | CN 200380103857 | A | 20031120 | 200636 | E |

Priority Applications (no., kind, date): JP 2002338984 A 20021122

#### Patent Details

| Number | Kind | Lan | Pg | Dwg | Filing Notes |
|--------|------|-----|----|-----|--------------|
|--------|------|-----|----|-----|--------------|

|               |    |    |    |    |  |
|---------------|----|----|----|----|--|
| WO 2004049224 | A1 | JA | 63 | 24 |  |
|---------------|----|----|----|----|--|

National Designated States,Original: AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NI NO NZ OM PG PH PL PT RO RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

Regional Designated States,Original: AT BE BG BW CH CY CZ DE DK EA EE ES FI FR GB GH GM GR HU IE IT KE LS LU MC MW MZ NL OA PT RO SD SE SI SK SL SZ TR TZ UG ZM ZW

|               |    |    |                                   |
|---------------|----|----|-----------------------------------|
| AU 2003302265 | A1 | EN | Based on OPI patent WO 2004049224 |
|---------------|----|----|-----------------------------------|

|                |    |    |                                |
|----------------|----|----|--------------------------------|
| US 20060036449 | A1 | EN | PCT Application WO 2003JP14775 |
|----------------|----|----|--------------------------------|

|               |   |    |                                |
|---------------|---|----|--------------------------------|
| JP 2004554986 | X | JA | PCT Application WO 2003JP14775 |
|---------------|---|----|--------------------------------|

|  |  |                                   |
|--|--|-----------------------------------|
|  |  | Based on OPI patent WO 2004049224 |
|--|--|-----------------------------------|

#### Alerting Abstract WO A1

**NOVELTY** - A database (DB) (102) stores attendant person identification (ID) history and a database (104) stores device operation history related to the attendant person ID history. A judgment unit (105) judges device operation state according to the new/old attendant accompanying the user, and accordingly provides device function or content by referring the database.

**USE** - Attendant circumstance utilization device.

**ADVANTAGE** - Provides optimal device function or content to user, by judging the person accompanying by user.

**DESCRIPTION OF DRAWINGS** - The figure shows the block diagram of the attendant circumstance utilization device. (Drawing includes non-English language text).

101 attendant person ID detector

102 attendant person ID database (DB)

104 operation history DB

106 function/ content providing unit

A attendant person

B user

**Title Terms/Index Terms/Additional Words:** ATTEND; CIRCUMSTANCE; UTILISE; DEVICE; JUDGEMENT; OPERATE; STATE; ACCORD; NEW; ACCOMPANIED; USER; FUNCTION; CONTENT ; REFER; CORRESPOND; DATABASE

#### Class Codes

International Classification (Main): G06F-017/60

International Classification (+ Attributes)

IPC + Level Value Position Status Version

|              |   |   |   |   |          |
|--------------|---|---|---|---|----------|
| G01C-0021/00 | A | I | L | B | 20060101 |
|--------------|---|---|---|---|----------|

|              |   |   |   |   |          |
|--------------|---|---|---|---|----------|
| G06Q-0030/00 | A | I | F | B | 20060101 |
|--------------|---|---|---|---|----------|

|              |   |   |   |   |          |
|--------------|---|---|---|---|----------|
| G06Q-0050/00 | A | I | L | B | 20060101 |
|--------------|---|---|---|---|----------|

|              |   |   |   |   |          |
|--------------|---|---|---|---|----------|
| G06Q-0099/00 | A | I | F | B | 20060101 |
|--------------|---|---|---|---|----------|

|               |   |   |   |   |          |
|---------------|---|---|---|---|----------|
| G08G-0001/005 | A | I | L | B | 20060101 |
|---------------|---|---|---|---|----------|

US Classification, Issued: 705001000

File Segment: EPI;

DWPI Class: T01

Manual Codes (EPI/S-X): T01-J05B4P; T01-J12C

12/5/9 (Item 9 from file: 350)  
 DIALOG(R)File 350:Derwent WPIX  
 (c) 2006 The Thomson Corporation. All rts. reserv.

0014263604 - Drawing available

WPI ACC NO: 2004-449942/200442

XRPX Acc No: N2004-356083

Operation log cooperation utilizing device detects operation of device by user, stores and administrates detected operation as operation log and transmits current operation log to other device

Patent Assignee: ARAKI S (ARAK-I); HIROSHI K (HIRO-I); MATSUSHITA DENKI SANGYO KK (MATU); MATSUSHITA ELECTRIC IND CO LTD (MATU); MATSUURA S (MATS-I); YOSHIDA A (YOSH-I)

Inventor: ARAKI S ; HIROSHI K; KUTSUMI H ; MATSUURA S; YOSHIDA A

Patent Family (5 patents, 105 countries)

Patent Application

| Number         | Kind | Date     | Number         | Kind | Date     | Update   |
|----------------|------|----------|----------------|------|----------|----------|
| WO 2004046984  | A1   | 20040603 | WO 2003JP14297 | A    | 20031111 | 200442 B |
| JP 2004185607  | A    | 20040702 | JP 2003378575  | A    | 20031107 | 200443 E |
| AU 2003277666  | A1   | 20040615 | AU 2003277666  | A    | 20031111 | 200470 E |
| US 20060031460 | A1   | 20060209 | WO 2003JP14297 | A    | 20031111 | 200612 E |
|                |      |          | US 2005527697  | A    | 20050311 |          |
| CN 1685353     | A    | 20051019 | CN 2003100053  | A    | 20031111 | 200617 E |

Priority Applications (no., kind, date): JP 2002334643 A 20021119

#### Patent Details

| Number        | Kind | Lan | Pg | Dwg | Filing Notes |
|---------------|------|-----|----|-----|--------------|
| WO 2004046984 | A1   | JA  | 71 | 31  |              |

National Designated States,Original: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NI NO NZ OM PG PH PL PT RO RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

Regional Designated States,Original: AT BE BG BW CH CY CZ DE DK EA EE ES FI FR GB GH GM GR HU IE IT KE LS LU MC MW MZ NL OA PT RO SD SE SI SK SL SZ TR TZ UG ZM ZW

JP 2004185607 A JA 27

AU 2003277666 A1 EN Based on OPI patent WO 2004046984  
 US 20060031460 A1 EN PCT Application WO 2003JP14297

#### Alerting Abstract WO A1

NOVELTY - The device detects an operation of the device by a user (101), stores and administrates detected operation as an operation log (102) and transmits current operation log to other device. The device also receives current operation log from other device, derives as related operation log having a given relationship with received current operation log and transmits derived logs to other device.

USE - For controlling cooperation of devices used in network using distribute-administrated operation log.

DESCRIPTION OF DRAWINGS - The figure shows a block diagram of the operation log cooperation utilizing device. (Drawing includes non-English language text).

101 user

102 operation log

107 related operation log receiving unit

111 cooperation content transmitting unit

112 cooperation content receiving unit

Title Terms/Index Terms/Additional Words: OPERATE; LOG; COOPERATE; UTILISE; DEVICE; DETECT; USER; STORAGE; TRANSMIT; CURRENT

#### Class Codes

International Classification (Main): G06F-017/60  
 (Additional/Secondary): G06F-013/00, H04N-007/173  
 International Classification (+ Attributes)  
 IPC + Level value Position Status Version  
 G06F-0015/173 A I F B 20060101  
 G06F-0015/16 C I F B 20060101  
 US Classification, Issued: 709224000

File Segment: EPI;  
 DWPI Class: T01  
 Manual Codes (EPI/S-X): T01-N02B1A; T01-N02B2B

12/5/10 (Item 10 from file: 350)  
 DIALOG(R)File 350:Derwent WPIX  
 (c) 2006 The Thomson Corporation. All rts. reserv.

0014254671 - Drawing available  
 WPI ACC NO: 2004-440852/200441  
 XRPX ACC No: N2004-348835

Viewing information recording method for digital TV broadcast, involves receiving viewing history data from device agent and storing in database for utilizing in digital television

Patent Assignee: MATSUSHITA DENKI SANGYO KK (MATU); MATSUSHITA ELECTRIC IND CO LTD (MATU)

Inventor: ARAKI S ; KUTSUMI H ; MATSUURA S; YOSHIDA A

Patent Family (6 patents, 105 countries)

| Patent Number  | Kind | Date     | Number          | Kind | Date     | Update   |
|----------------|------|----------|-----------------|------|----------|----------|
| WO 2004045221  | A1   | 20040527 | WO 2003JP14484  | A    | 20031113 | 200441 B |
| AU 2003280786  | A1   | 20040603 | AU 2003280786   | A    | 20031113 | 200470 E |
| JP 3713043     | B2   | 20051102 | WO 2003JP14484  | A    | 20031113 | 200572 E |
|                |      |          | JP 2004551232   | A    | 20031113 |          |
| US 20060015902 | A1   | 20060119 | WO 2003JP14484  | A    | 20031113 | 200607 E |
|                |      |          | US 2005534933   | A    | 20050513 |          |
| JP 2004551232  | X    | 20060316 | WO 2003JP14484  | A    | 20031113 | 200620 E |
|                |      |          | JP 2004551232   | A    | 20031113 |          |
| CN 1711779     | A    | 20051221 | CN 200380103243 | A    | 20031113 | 200636 E |

Priority Applications (no., kind, date): JP 2002330892 A 20021114

#### Patent Details

| Number        | Kind | Lan | Pg | Dwg | Filing Notes |
|---------------|------|-----|----|-----|--------------|
| WO 2004045221 | A1   | JA  | 71 | 34  |              |

National Designated States,Original: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NI NO NZ OM PG PH PL PT RO RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

Regional Designated States,Original: AT BE BG BW CH CY CZ DE DK EA EE ES FI FR GB GH GM GR HU IE IT KE LS LU MC MW MZ NL OA PT RO SD SE SI SK SL SZ TR TZ UG ZM ZW

|                |    |    |    |                                   |
|----------------|----|----|----|-----------------------------------|
| AU 2003280786  | A1 | EN |    | Based on OPI patent WO 2004045221 |
| JP 3713043     | B2 | JA | 29 | PCT Application WO 2003JP14484    |
|                |    |    |    | Based on OPI patent WO 2004045221 |
| US 20060015902 | A1 | EN |    | PCT Application WO 2003JP14484    |
| JP 2004551232  | X  | JA | 61 | PCT Application WO 2003JP14484    |
|                |    |    |    | Based on OPI patent WO 2004045221 |

#### Alerting Abstract WO A1

NOVELTY - A device agent (20) in a digital TV (11) owned by the user, records viewing date and time of TV, medium type identifier and a content identifier as viewing data. A user agent (30) in a server (12) receives the

data from device agent for storing in a database. The service providers (40,50) accesses the server to utilize the viewing information.

**DESCRIPTION** - An INDEPENDENT CLAIM is also included for viewing information usage method.

USE - For recording digital TV broadcast viewing information.

**DESCRIPTION OF DRAWINGS** - The figure shows the block diagram of history recording viewing system.(Drawing includes non-English language text).

20,20A device agents

30 user agent

40,50 service providers

A network

**Title Terms/Index Terms/Additional Words:** VIEW; INFORMATION; RECORD; METHOD ; DIGITAL; TELEVISION; BROADCAST; RECEIVE; HISTORY; DATA; DEVICE; AGENT; STORAGE; DATABASE; UTILISE

#### Class Codes

International Classification (Main): H04N-017/00  
 (Additional/Secondary): G06F-017/60 , H04N-005/44

International Classification (+ Attributes)

IPC + Level Value Position Status Version

H04H-0009/00 A I L B 20060101

H04N-0017/00 A I F B 20060101

H04N-0005/44 A I L B 20060101

H04N-0005/445 A I L B 20060101

H04N-0007/16 A I F B 20060101

US Classification, Issued: 725046000, 725009000, 725014000

File Segment: EPI;

DWPI Class: T01; W02

Manual Codes (EPI/S-X): T01-N01B; T01-N02B2; W02-F04B; W02-F10K

12/5/14 (Item 14 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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0013529599 - Drawing available

WPI ACC NO: 2003-623005/

XRPX Acc No: N2003-496516

Content recommendation system for mobile telephone, selects content to be recommended to user, based on priority of user attribute and content attribute

Patent Assignee: MATSUSHITA DENKI SANGYO KK (MATU)

Inventor: NAITO E ; OZAWA

Patent Family (1 patents, 1 countries)

Patent Application

| Number        | Kind | Date     | Number       | Kind | Date     | Update   |
|---------------|------|----------|--------------|------|----------|----------|
| JP 2003233622 | A    | 20030822 | JP 200234940 | A    | 20020213 | 200359 B |

Priority Applications (no., kind, date): JP 200234940 A 20020213

#### Patent Details

| Number        | Kind | Lan | Pg | Dwg | Filing Notes |
|---------------|------|-----|----|-----|--------------|
| JP 2003233622 | A    | JA  | 8  | 12  |              |

#### Alerting Abstract JP A

NOVELTY - A database (102) stores attribute of content e.g. movies to be recommended to user. A pair of databases (103,104) stores priority of user attribute and content attribute respectively. A determination unit (105) determines search conditions for selecting the content, based on the priority. An output unit outputs the selected content to the user.

**DESCRIPTION** - INDEPENDENT CLAIMS are also included for the following:

1. content recommendation apparatus;
2. content recommendation method;
3. program for performing content recommendation ; and
4. computer recorded medium storing program for performing content recommendation .

**USE** - For recommending content such as movies, news, publications, songs to be displayed in user's mobile telephone, personal computer.

**ADVANTAGE** - Since search conditions for selecting the content to be recommended, is based on user's preference, the burden of processing for recommending content to the user, is relieved.

**DESCRIPTION OF DRAWINGS** - The figure shows the block diagram of the content recommendation apparatus. (Drawing includes non-English language text).

- 102-104 databases
- 105 determination unit
- 106 selection unit
- 115 input-output unit

**Title Terms/Index Terms/Additional Words:** CONTENT ; SYSTEM; MOBILE; TELEPHONE; SELECT; RECOMMENDED; USER; BASED; PRIORITY; ATTRIBUTE

#### Class Codes

International Classification (Main): G06F-017/30  
 (Additional/Secondary): G06F-017/60 , H04Q-007/20

File Segment: EPI;  
 DWPI Class: T01; W01

Manual Codes (EPI/S-X): T01-J05B; T01-S03; W01-B05

12/5/18 (Item 18 from file: 350)  
 DIALOG(R)File 350:Derwent WPIX  
 (c) 2006 The Thomson Corporation. All rts. reserv.

0012987514 - Drawing available  
 WPI ACC NO: 2003-065222/  
 XRPX Acc No: N2003-050982

Information recommendations system for internet, updates user profile based on document vector created using static and dynamic document vectors of selected information unit

Patent Assignee: MATSUSHITA DENKI SANGYO KK (MATU)

Inventor: ARAKI S ; KUTSUMI H ; NAITO E

Patent Family (1 patents, 1 countries)

| Patent Number | Kind | Date     | Number        | Kind | Date     | Update   |
|---------------|------|----------|---------------|------|----------|----------|
| JP 2002342366 | A    | 20021129 | JP 2001147241 | A    | 20010517 | 200306 B |

Priority Applications (no., kind, date): JP 2001147241 A 20010517

#### Patent Details

| Number        | Kind | Lan | Pg | Dwg | Filing Notes |
|---------------|------|-----|----|-----|--------------|
| JP 2002342366 | A    | JA  | 9  | 6   |              |

#### Alerting Abstract JP A

**NOVELTY** - A web site selector (6) chooses an information unit shown to user based on a predetermined evaluation value of the information unit. A document vector synthesis unit (11) creates a document vector ( $H(i)$ ) from static and dynamic document vectors ( $H_s(i), H_d(i)$ ) of the information unit. A renewal unit (12) updates user profile based on the document vector and browsing time ( $t(i)$ ) of the selected information unit.

**DESCRIPTION - INDEPENDENT CLAIMS** are included for the following:

1. Information recommendation method;
2. Information recommendation program; and
3. Recorded medium for storing information recommendation program.

**USE -** In browsing-specific information over internet.

**ADVANTAGE -** Enables a user to easily select the required information without any burden by updating the user profile using document vector.

**DESCRIPTION OF DRAWINGS -** The figure shows the block diagram of the information recommendation system. (Drawing includes non-English language text).

6 Web site selector  
 11 Document vector synthesis unit  
 12 Renewal unit  
 $H(i)$  Document vector  
 $Hs(i, Hd(i))$  vectors  
 $t(i)$  Browsing time

**Title Terms/Index Terms/Additional words:** INFORMATION; SYSTEM; UPDATE; USER ; PROFILE; BASED; DOCUMENT; VECTOR; STATIC; DYNAMIC; SELECT; UNIT

#### Class Codes

International Classification (Main): G06F-017/30  
 (Additional/Secondary): G06F-012/00, G06F-017/16, G06F-017/60

File Segment: EPI;

DWPI Class: T01

Manual Codes (EPI/S-X): T01-H; T01-J04C; T01-J05B; T01-S03

12/5/19 (Item 19 from file: 350)  
 DIALOG(R)File 350:Derwent WPIX  
 (c) 2006 The Thomson Corporation. All rts. reserv.

0012277788 - Drawing available

WPI ACC NO: 2002-218573/200228

Related WPI Acc No: 2000-484515; 2006-579330

XRPX Acc No: N2002-167611

Data processing method for streamed multimedia data, involves selecting segment from media content based on score assigned to input content description data

Patent Assignee: MATSUSHITA DENKI SANGYO KK (MATU); MATSUSHITA ELECTRIC IND CO LTD (MATU)

Inventor: ARAKI S; EITO M; EMURA K; ETOH M; MUNETSUGI T; MUNETSUGI T

Patent Family (7 patents, 30 countries)

| Patent Application |      |          |               |      |          |          |
|--------------------|------|----------|---------------|------|----------|----------|
| Number             | Kind | Date     | Number        | Kind | Date     | Update   |
| EP 1134740         | A2   | 20010919 | EP 2001103617 | A    | 20010222 | 200228 B |
| CN 1321944         | A    | 20011114 | CN 2001111292 | A    | 20010316 | 200228 E |
| JP 2001333353      | A    | 20011130 | JP 2000190008 | A    | 20000623 | 200228 E |
| KR 2001090447      | A    | 20011018 | KR 200113546  | A    | 20010316 | 200228 E |
| US 20020002564     | A1   | 20020103 | US 1999467231 | A    | 19991220 | 200228 E |
|                    |      |          | US 2001785063 | A    | 20010216 |          |
| JP 2004140874      | A    | 20040513 | JP 2000190008 | A    | 20000623 | 200432 E |
|                    |      |          | JP 20047852   | A    | 20040115 |          |
| JP 3824318         | B2   | 20060920 | JP 2000190008 | A    | 20000623 | 200662 E |
|                    |      |          | JP 20047852   | A    | 20040115 |          |

Priority Applications (no., kind, date): JP 1998371483 A 19981225; JP 1999271404 A 19990924; JP 1999350479 A 19991209; JP 200074875 A 20000316; JP 2000190008 A 20000623

**Patent Details**

| Number  | Kind | Lan | Pg  | Dwg | Filing Notes                           |
|---|------|-----|-----|-----|--|
| EP 1134740  | A2   | EN  | 296 | 270 |  |
| Regional Designated States,Original: AL AT BE CH CY DE DK ES FI FR GB GR<br>IE IT LI LT LU LV MC MK NL PT RO SE SI TR |      |     |     |     |  |
| JP 2001333353   | A    | JA  | 138 |     |  |
| US 20020002564  | A1   | EN  |     |     | C-I-P of application US 1999467231     |
| JP 2004140874   | A    | JA  | 109 |     | Division of application JP 2000190008  |
| JP 3824318  | B2   | JA  | 109 |     | Division of application JP 2000190008  |
|   |      |     |     |     | Previously issued patent JP 2004140874 |

**Alerting Abstract EP A2**

**NOVELTY** - The content description data in a hierarchical structure are input. The hierarchical structure consists of several layers including respective elements which represent media content , media segment formed by dividing media contents and set of scenes respectively. A segment is selected from the media content based on score assigned to the content description data.

**DESCRIPTION** - INDEPENDENT CLAIMS are also included for the following:

- 1.Data processing device;
- 2.Recording medium recording program for processing data;
- 3.Data processing program

**USE** - For processing audio-video data of motion picture, video program, audio program used in moving picture experts group (MPEG) system.

**ADVANTAGE** - Since the media segment is selected based on determination of assignment of scores to the description data, the time required for selecting the segment is reduced, hence a desired scene can be selected efficiently.

**DESCRIPTION OF DRAWINGS** - The figure shows the block diagram of the data processing method.

**Title Terms/Index Terms/Additional words:** DATA; PROCESS; METHOD; STREAM; SELECT; SEGMENT; MEDIUM; CONTENT ; BASED; SCORE; ASSIGN; INPUT; DESCRIBE

**Class Codes**

**International Classification (Main):** G11B-027/00, H04N-005/76, H04N-005/91  
**(Additional/Secondary):** G06F-017/30 , G11B-027/10, H04N-005/92,  
H04N-005/93

**International Classification (+ Attributes)**

**IPC + Level Value Position Status Version**

|              |   |   |   |          |
|--------------|---|---|---|----------|
| G06F-0017/30 | A | I | R | 20060101 |
| G11B-0027/10 | A | I | R | 20060101 |
| G11B-0027/28 | A | I | R | 20060101 |
| H04N-0005/76 | A | I | L | 20060101 |
| H04N-0005/91 | A | I | F | 20060101 |
| H04N-0005/92 | A | I | L | 20060101 |
| G06F-0017/30 | C | I | R | 20060101 |
| G11B-0027/10 | C | I | R | 20060101 |
| G11B-0027/28 | C | I | R | 20060101 |

**US Classification, Issued:** 707500100

**File Segment:** EPI;

**DWPI Class:** T01; W04

**Manual Codes (EPI/S-X):** T01-H07C3D; T01-J05B2B; T01-S01B; T01-S03; W04-H01

12/5/20 (Item 20 from file: 350)  
 DIALOG(R)File 350:Derwent WPIX  
 (c) 2006 The Thomson Corporation. All rts. reserv.

0011189184 - Drawing available  
 WPI ACC NO: 2002-127353/  
 XRPX Acc No: N2002-095789

Data analysis method involves mapping contents and attribute data, by analyzing attribute data obtained from user, and content information

Patent Assignee: MATSUSHITA DENKI SANGYO KK (MATU)

Inventor: ARAKI S; KUTSUMI H; NAITO E

Patent Family (1 patents, 1 countries)

Patent Application

| Number        | Kind | Date     | Number        | Kind | Date     | Update   |
|---------------|------|----------|---------------|------|----------|----------|
| JP 2001331516 | A    | 20011130 | JP 2000150963 | A    | 20000523 | 200217 B |

Priority Applications (no., kind, date): JP 2000150963 A 20000523

#### Patent Details

| Number        | Kind | Lan | Pg | Dwg | Filing Notes |
|---------------|------|-----|----|-----|--------------|
| JP 2001331516 | A    | JA  | 11 | 10  |              |

#### Alerting Abstract JP A

NOVELTY - A sample and a category are grouped and arranged in an Euclidean space. The attribute data obtained from a user, and the content information are analyzed, based on which the mapping of contents and attribute data is performed.

DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

1.Information search method;

2.Information provision method

USE - For analyzing data about individual hobby, preference, purchase action, etc.

ADVANTAGE - By mapping the content information and attribute data, searching is simplified and information can be obtained easily.

DESCRIPTION OF DRAWINGS - The figure shows the block diagram of the data analysis method. (Drawing includes non-English language text).

Title Terms/Index Terms/Additional Words: DATA; ANALYSE; METHOD; MAP; CONTENT ; ATTRIBUTE; OBTAIN; USER; INFORMATION

#### Class Codes

International Classification (Main): G06F-017/30

File Segment: EPI;

DWPI Class: T01

Manual Codes (EPI/S-X): T01-J05B1; T01-J05B2

12/5/21 (Item 21 from file: 350)  
 DIALOG(R)File 350:Derwent WPIX  
 (c) 2006 The Thomson Corporation. All rts. reserv.

0011154376 - Drawing available  
 WPI ACC NO: 2002-091654/  
 XRPX Acc No: N2002-067505

Information recommendation apparatus for Internet, selects and recommends contents coinciding with or similar to input condition, from multiple contents stored in database

Patent Assignee: MATSUSHITA DENKI SANGYO KK (MATU); MATSUSHITA ELECTRIC IND CO LTD (MATU)

Inventor: ARAKI S; HIRATSUKA T; JITOSHO H; JITOUSHO Y; KUTSUMI H;

**NAITO E**

**Patent Family (5 patents, 30 countries)**

| Patent Number  | Kind | Date     | Application Number | Kind | Date     | Update   |
|----------------|------|----------|--------------------|------|----------|----------|
| EP 1156424     | A2   | 20011121 | EP 2001111063      | A    | 20010508 | 200213 B |
| US 20010044759 | A1   | 20011122 | US 2001851791      | A    | 20010509 | 200213 E |
| JP 2002041670  | A    | 20020208 | JP 200197578       | A    | 20010329 | 200215 E |
| CN 1324045     | A    | 20011128 | CN 2001116949      | A    | 20010509 | 200219 E |
| KR 2001106218  | A    | 20011129 | KR 200125065       | A    | 20010509 | 200234 E |

**Priority Applications (no., kind, date): JP 2000145169 A 20000517**

**Patent Details**

| Number  | Kind | Lan | Pg | Dwg | Filing Notes |
|---|------|-----|----|-----|--------------|
| EP 1156424  | A2   | EN  | 64 | 29  |              |
| <b>Regional Designated States,Original:</b> AL AT BE CH CY DE DK ES FI FR GB GR |      |     |    |     |              |
| IE IT LI LT LU LV MC MK NL PT RO SE SI TR                                       |      |     |    |     |              |
| JP 2002041670   | A    | JA  | 44 |     |              |

**Alerting Abstract EP A2**

**NOVELTY** - An input unit (3) inputs conditions representing predetermined items and attribute values designated by user terminal (100) through Internet (500). A recommendation unit (4) selects and recommends a content from multiple contents stored in content database (2), the selected content coinciding with the input condition. The contents are then output to user.

**DESCRIPTION** - INDEPENDENT CLAIMS are also included for the following:

1. Information recommendation system;
2. Information recommendation program

**USE** - For providing requested information from abundant information through Internet for e.g. providing recipes for presentable dishes, recipes for nutritionally balanced dishes, etc., as registered by cooking specialists, dietitians, etc.

**ADVANTAGE** - Enables to prepare abundant contents. Enables to recover maintenance cost for constructing and maintaining a large database. Enables to easily find out information that is exactly suitable for user but unnoticed. Provides recipes suited for actual daily menus for family. Provides recipes not void of viewpoints obtained by result of actually using the recipes and suited for actual situations.

**DESCRIPTION OF DRAWINGS** - The figure shows the system configuration view of information recommendation apparatus.

- 2 Content database
- 3 Input unit
- 4 Recommendation unit
- 100 User terminal
- 500 Internet

**Title Terms/Index Terms/Additional Words:** INFORMATION; APPARATUS; SELECT; CONTENT ; COINCIDE; SIMILAR; INPUT; CONDITION; MULTIPLE; STORAGE; DATABASE

**Class Codes**

**International Classification (Main):** G06F-017/00, G06F-017/30 ,  
G06F-017/60  
(Additional/Secondary): G06F-015/18, G06F-007/00  
**US Classification, Issued:** 705027000, 705014000, 707104100

**File Segment:** EPI;  
**DWPI Class:** T01

**Manual Codes (EPI/S-X):** T01-J05B4P; T01-N01A2A; T01-S03

12/5/23 (Item 23 from file: 350)  
 DIALOG(R)File 350:Derwent WPIX  
 (c) 2006 The Thomson Corporation. All rts. reserv.

0010728083 - Drawing available  
 WPI ACC NO: 2001-339810/  
 XRXPX Acc No: N2001-245794

User information recommendation procedure for internet, involves selecting introduction information from user profile, based on degree of recommendation and recommends to user

Patent Assignee: MATSUSHITA DENKI SANGYO KK (MATU)  
 Inventor: ARAKI S ; KUTSUMI H ; MARUNO S; NAITO E

Patent Family (1 patents, 1 countries)

| Patent Number | Kind | Date     | Number        | Kind | Date     | Update   |
|---------------|------|----------|---------------|------|----------|----------|
| JP 2001092832 | A    | 20010406 | JP 1999266805 | A    | 19990921 | 200136 B |

Priority Applications (no., kind, date): JP 1999266805 A 19990921

#### Patent Details

| Number        | Kind | Lan | Pg | Dwg | Filing Notes |
|---------------|------|-----|----|-----|--------------|
| JP 2001092832 | A    | JA  | 9  | 16  |              |

#### Alerting Abstract JP A

NOVELTY - The user profile stored in memory (101), is updated (102) based on user's information perusal log. The stored information based on information recommended is acquired (104) and both information are evaluated (105) to determine degree of recommendation . A selection unit (106) selects the introduction information and recommends to the user based on determined recommendation degree.

USE - For use in internet for presenting desired information to user.

ADVANTAGE - Reduces presentation of meaningless information.

DESCRIPTION OF DRAWINGS - The figure shows the block diagram of user information recommendation apparatus. (Drawing includes non-English language text).

101 Memory

102 Updating unit

104 Introduction information acquisition unit

105 Introduction information evaluation unit

106 Selection unit

Title Terms/Index Terms/Additional Words: USER; INFORMATION; PROCEDURE;  
 SELECT; INTRODUCING; PROFILE; BASED; DEGREE

#### Class Codes

International Classification (Main): G06F-017/30  
 (Additional/Secondary): G06F-013/00

File Segment: EPI;

DWPI Class: T01

Manual Codes (EPI/S-X): T01-H; T01-J05B

12/5/24 (Item 24 from file: 350)  
 DIALOG(R)File 350:Derwent WPIX  
 (c) 2006 The Thomson Corporation. All rts. reserv.

0010237512  
 WPI ACC NO: 2000-549170/200050  
 XRXPX Acc No: N2000-406261

Information transfer system and apparatus for preparing electronic mail  
 Patent Assignee: MATSUSHITA DENKI SANGYO KK (MATU); MATSUSHITA ELECTRIC IND CO LTD (MATU)

Inventor: ANO T; ARAKI S ; IMANAKA T; KUTSUMI H ; MIURA K; MIURA Y; TADA

| C<br>Patent Family (13 patents, 23 countries) |      |          |                    |      |          |          |
|---|------|----------|--------------------|------|----------|----------|
| Patent Number                                 | Kind | Date     | Application Number | Kind | Date     | Update   |
| WO 2000048095                                 | A1   | 20000817 | WO 2000JP782       | A    | 20000214 | 200050 B |
| JP 2000305952                                 | A    | 20001102 | JP 200037277       | A    | 20000215 | 200061 E |
| JP 2001027977                                 | A    | 20010130 | JP 200037278       | A    | 20000215 | 200110 E |
| EP 1178411                                    | A1   | 20020206 | EP 2000902938      | A    | 20000214 | 200218 E |
|   |      |          | WO 2000JP782       | A    | 20000214 |          |
| KR 2001108215                                 | A    | 20011207 | KR 2001710293      | A    | 20010814 | 200236 E |
| CN 1347530                                    | A    | 20020501 | CN 2000806269      | A    | 20000214 | 200252 E |
| JP 2002215626                                 | A    | 20020802 | JP 200037277       | A    | 20000215 | 200255 E |
|   |      |          | JP 2001311794      | A    | 20000215 |          |
| JP 3497491                                    | B2   | 20040216 | JP 200037277       | A    | 20000215 | 200413 E |
|   |      |          | JP 2001311794      | A    | 20000215 |          |
| JP 2004054927                                 | A    | 20040219 | JP 2001311794      | A    | 20000215 | 200414 E |
|   |      |          | JP 2003177197      | A    | 20030620 |          |
| JP 2004139602                                 | A    | 20040513 | JP 200037278       | A    | 20000215 | 200432 E |
|   |      |          | JP 2003359891      | A    | 20031020 |          |
| CN 1542668                                    | A    | 20041103 | CN 2000806269      | A    | 20000214 | 200514 E |
|   |      |          | CN 200410043499    | A    | 20000214 |          |
| CN 1156780                                    | C    | 20040707 | CN 2000806269      | A    | 20000214 | 200612 E |
| US 7010533                                    | B1   | 20060307 | WO 2000JP782       | A    | 20000214 | 200618 E |
|   |      |          | US 2001913614      | A    | 20011205 |          |

Priority Applications (no., kind, date): JP 199936089 A 19990215; JP 1999127643 A 19990507

#### Patent Details

| Number                               | Kind | Lan | Pg | Dwg | Filing Notes  |
|--------------------------------------|------|-----|----|-----|---|
| WO 2000048095                        | A1   | JA  | 0  | 0   |   |
| National Designated States,Original: |      |     |    |     | CN KR US  |
| Regional Designated States,Original: |      |     |    |     | AT BE CH CY DE DK ES FI FR GB GR IE                               |
| IT LU MC NL PT SE                    |      |     |    |     |   |
| JP 2000305952                        | A    | JA  | 26 |     |   |
| JP 2001027977                        | A    | JA  | 25 |     |   |
| EP 1178411                           | A1   | EN  |    |     | PCT Application WO 2000JP782<br>Based on OPI patent WO 2000048095 |
| Regional Designated States,Original: |      |     |    |     | AT BE CH CY DE DK ES FI FR GB GR IE                               |
| IT LI LU MC NL PT SE                 |      |     |    |     |   |
| JP 2002215626                        | A    | JA  | 18 |     | Division of application JP 200037277                              |
| JP 3497491                           | B2   | JA  | 17 |     | Division of application JP 200037277                              |
|                                      |      |     |    |     | Previously issued patent JP 2002215626                            |
| JP 2004054927                        | A    | JA  | 25 |     | Division of application JP 2001311794                             |
| JP 2004139602                        | A    | JA  | 27 |     | Division of application JP 200037278                              |
| CN 1542668                           | A    | ZH  |    |     | Division of application CN 2000806269                             |
| US 7010533                           | B1   | EN  |    |     | PCT Application WO 2000JP782<br>Based on OPI patent WO 2000048095 |

#### Alerting Abstract WO A1

NOVELTY - An information transfer system comprising: information input means for search conditions; database; search means for searching the database for contents based on the search conditions; display means for displaying the retrieved contents; selection means for selecting one or more from the retrieved contents; and output means for sending a supply device a specified content selected by the selection means and for specifying the operation of the supply device.

USE - None given.

Title Terms/Index Terms/Additional Words: INFORMATION; TRANSFER; SYSTEM; APPARATUS; PREPARATION; ELECTRONIC; MAIL

**Class Codes**

International Classification (Main): G06F-013/00, G06F-017/30  
 (Additional/Secondary): G06F-017/21, G06F-017/24, G06F-003/00, G10K-015/02  
 , G10K-015/04, H04M-011/00, H04N-005/76, G06F-017/60

International Classification (+ Attributes)

IPC + Level Value Position Status Version

G06F-0017/30 A I F B 20060101  
 G06F-0017/30 A I R 20060101  
 G06F-0017/30 C I R 20060101

US Classification, Issued: 707010000, 707001000, 709200000, 709201000,  
 709206000, 709207000

File Segment: EngPI; EPI;

DWPI Class: T01; W01; P86

Manual Codes (EPI/S-X): T01-C; T01-H; T01-H07C1; T01-J05B; T01-J11A;  
 W01-A06E1; W01-A06G2; W01-A06X

12/5/25 (Item 25 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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0010175026 - Drawing available

WPI ACC NO: 2000-484515/200043

Related WPI Acc No: 2002-218573; 2006-579330

XRPX Acc No: N2000-360207

Data processing device for viewing, playback of motion picture, video program or audio program has selection device for selecting at least one segment from media content on basis of score assigned to context description data

Patent Assignee: MATSUSHITA DENKI SANGYO KK (MATU); MATSUSHITA ELECTRIC IND CO LTD (MATU)

Inventor: ARAKI S ; EIDO M; EIITO M; EMURA K; ETOH M; MUNETSUGI T;  
 MUNETSUGU T; MUNEISUZUKU T

Patent Family (11 patents, 29 countries)

| Patent Number  | Kind | Date     | Number          | Kind | Date     | Update   |
|----------------|------|----------|-----------------|------|----------|----------|
| EP 1014280     | A2   | 20000628 | EP 1999125526   | A    | 19991222 | 200043 B |
| CN 1264876     | A    | 20000830 | CN 1999122988   | A    | 19991225 | 200059 E |
| KR 2000057101  | A    | 20000915 | KR 199962226    | A    | 19991224 | 200122 E |
| JP 2001160066  | A    | 20010612 | JP 1999350479   | A    | 19991209 | 200139 E |
| JP 2004127324  | A    | 20040422 | JP 1999350479   | A    | 19991209 | 200428 E |
|                |      |          | JP 20047748     | A    | 20040115 |          |
| JP 2004140875  | A    | 20040513 | JP 1999350479   | A    | 19991209 | 200432 E |
|                |      |          | JP 20047922     | A    | 20040115 |          |
| US 20040133569 | A1   | 20040708 | US 1999467231   | A    | 19991220 | 200445 E |
|                |      |          | US 2003733981   | A    | 20031211 |          |
| CN 1529265     | A    | 20040915 | CN 1999122988   | A    | 19991225 | 200501 E |
|                |      |          | CN 200310120238 | A    | 19991225 |          |
| KR 2004096485  | A    | 20041116 | KR 200478821    | A    | 20041004 | 200522 E |
| JP 2005166063  | A    | 20050623 | JP 1999350479   | A    | 19991209 | 200541 E |
|                |      |          | JP 2004369134   | A    | 20041221 |          |
| CN 1170237     | C    | 20041006 | CN 1999122988   | A    | 19991225 | 200615 E |

Priority Applications (no., kind, date): JP 1998371483 A 19981225; JP 1999271404 A 19990924; JP 1999350479 A 19991209

Patent Details

| Number     | Kind | Lan | Pg  | Dwg | Filing Notes |
|------------|------|-----|-----|-----|--------------|
| EP 1014280 | A2   | EN  | 279 | 252 |              |

Regional Designated States,Original: AL AT BE CH CY DE DK ES FI FR GB GR

| IE | IT          | LI | LT | LU | LV | MC  | MK | NL | PT  | RO                          | SE | SI         |
|----|-------------|----|----|----|----|-----|----|----|-----|-----------------------------|----|------------|
| KR | 2000057101  |    |    | A  | KO |     |    |    | 252 |                             |    |            |
| JP | 2001160066  |    |    | A  | JA | 144 |    |    |     |                             |    |            |
| JP | 2004127324  |    |    | A  | JA | 101 |    |    |     | Division of application     | JP | 1999350479 |
| JP | 2004140875  |    |    | A  | JA | 101 |    |    |     | Division of application     | JP | 1999350479 |
| US | 20040133569 |    |    | A1 | EN |     |    |    |     | Continuation of application | US |            |
|    | 1999467231  |    |    |    |    |     |    |    |     |                             |    |            |
| CN | 1529265     |    |    | A  | ZH |     |    |    |     | Division of application     | CN | 1999122988 |
| JP | 2005166063  |    |    | A  | JA | 101 |    |    |     | Division of application     | JP | 1999350479 |

#### Alerting Abstract EP A2

**NOVELTY** - The highest hierarchical layer is formed from a single element representing a content . A lowest hierarchical layer is formed from an element representing a segment of media content , which corresponds to a change between scenes of a video data or a change in audible tones. The remaining hierarchical layers are formed from an element representing a scene or a collection of scenes.

**USE** - In a media content data processing device for viewing, playback and delivering of continuous audio-visual data such as motion picture, a video program or an audio program.

**ADVANTAGE** - Allows playing back a synopsis or a highlight scene or media content or only a scene or media content desired by the audience is played back and delivered. Allows controlling the amount of data to be delivered in accordance with the traffic volume of a line through which the user establishes communication with a server.

**DESCRIPTION OF DRAWINGS** - The drawing is a block diagram showing a data processing method according to a first embodiment of the present invention.

**Title Terms/Index Terms/Additional Words:** DATA; PROCESS; DEVICE; VIEW; PLAYBACK; MOTION; PICTURE; VIDEO; PROGRAM; AUDIO; SELECT; ONE; SEGMENT; MEDIUM; CONTENT ; BASIS; SCORE; ASSIGN; CONTEXT; DESCRIBE

#### Class Codes

International Classification (Main): G06F-017/30 , H04N-005/91  
 (Additional/Secondary): H04N-005/76, H04N-005/92

International Classification (+ Attributes)

IPC + Level Value Position Status Version

G06F-0017/30 A I R 20060101

G06F-0017/30 C I R 20060101

US Classification, Issued: 707003000

File Segment: EPI;

DWPI Class: T01; W02; W03

Manual Codes (EPI/S-X): T01-J05B; T01-J11C1; T01-J30; T01-S01B; W02-F10;  
 W03-A16C5

12/5/26 (Item 26 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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0009100628 - Drawing available

WPI ACC NO: 1999-019762/

XRXPX Acc No: N1999-016064

Information display method for facsimile - involves deciding contents of data display by contents determining unit, based on predetermined data structure and data stored in respective memories

Patent Assignee: MATSUSHITA DENKI SANGYO KK (MATU)

Inventor: IMANAKA T; KUTSUMI H ; MATSUURA S; MIURA Y

Patent Family (1 patents, 1 countries)

| Patent Number | Kind | Date     | Application Number | Kind | Date     | Update   |
|---------------|------|----------|--------------------|------|----------|----------|
| JP 10289236   | A    | 19981027 | JP 199793495       | A    | 19970411 | 199902 B |

Priority Applications (no., kind, date): JP 199793495 A 19970411

#### Patent Details

| Number      | Kind | Lan | Pg | Dwg | Filing Notes |
|-------------|------|-----|----|-----|--------------|
| JP 10289236 | A    | JA  | 20 | 33  |              |

#### Alerting Abstract JP A

The method involves providing an identifier which designates a predetermined data structure formed by combining data received by a receiver (1) along with an attribute value. The received data is stored in a data memory unit (2). The designated predetermined data structure is stored in a data structure memory unit (4).

When a demand reception unit (3) receives a presentation demand of an information from a user, the contents of data display is decided by a contents determining unit, based on the predetermined data structure stored in the data structure memory and stored data in the data memory unit. Based on this fixation, data is displayed in a data display unit (6).

USE - In internet.

ADVANTAGE - Extends information communication to wide range thereby including data transmission efficiency.

Title Terms/Index Terms/Additional Words: INFORMATION; DISPLAY; METHOD; FACSIMILE; DECIDE; CONTENT ; DATA; DETERMINE; UNIT; BASED; PREDETERMINED ; STRUCTURE; STORAGE; RESPECTIVE; MEMORY

#### Class Codes

International Classification (Main): G06F-017/30

File Segment: EPI;

DWPI Class: T01; W01

Manual Codes (EPI/S-X): T01-H07C5E; T01-J05B; W01-A06B7

12/5/27 (Item 1 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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01285623 \*\*Image available\*\*

VIEWING SUPPORT DEVICE AND PROGRAM RECORDING SYSTEM

DISPOSITIF D'ASSISTANCE A LA VISUALISATION ET SYSTEME D'ENREGISTREMENT DE PROGRAMME

#### Patent Applicant/Assignee:

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#### Patent Applicant/Inventor:

OZAWA Jun, -- (Residence), -- (Nationality), (Designated only for: US)  
NAITO Eiichi , -- (Residence), -- (Nationality), (Designated only for: US)

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#### Patent and Priority Information (Country, Number, Date):

Patent: WO 200594073 A1 20051006 (WO 0594073)

Application: WO 2005JP5351 20050324 (PCT/WO JP05005351)

Priority Application: JP 200489681 20040325

#### Designated States:

(All protection types applied unless otherwise stated - for applications 2004+)

AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO CR CU CZ DE DK DM  
DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC  
LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NA NI NO NZ OM PG PH PL PT RO  
RU SC SD SE SG SK SL SM SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM  
ZW

(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LT LU MC NL PL  
PT RO SE SI SK TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) BW GH GM KE LS MW MZ NA SD SL SZ TZ UG ZM ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class (v7): H04N-005/76

International Patent Class (v7): G06F-017/60 ; H04M-011/00; H04N-005/765;  
H04N-007/173

Publication Language: Japanese

Filing Language: Japanese

#### English Abstract

There are provided a viewing support device and a program recording system capable of performing support so that even when a user is at a place different from the place of the user residence, a program currently broadcast and a program to be broadcast can easily be recorded by a domestic recording device. The viewing support device (100) includes: a recording device position acquisition unit (101) for acquiring a position where a recording device is installed; a recording-enabled program table acquisition unit (102) for acquiring a program table (recording-enabled program table) of a broadcast content in the place where the recording device is installed; a view-enabled program table acquisition unit (103) for acquiring a program table (view-enabled program table) of a broadcast content at the current place; an identical program judgment unit (104) for comparing the view-enabled program table to the recording-enabled program table so as to judge whether the respective programs are identical; and a display unit (105) for displaying whether the program currently viewed can be recorded by the recording device according to the judgment on identity made by the identical program judgment unit (104).

#### French Abstract

Il est fourni un dispositif d'assistance a la visualisation et un systeme d'enregistrement de programme pouvant effectuer une assistance de sorte que meme que lorsqu'un utilisateur se trouve a un emplacement different de l'emplacement de la residence de l'utilisateur, un programme diffuse actuellement et un programme a diffuser peuvent facilement etre enregistres par un dispositif domestique d'enregistrement. Le dispositif d'assistance a la visualisation (100) comprend : une unite d'acquisition de position de dispositif d'enregistrement (101) destinee a acquerir une table de programmes (table de programmes d'enregistrements valides) d'un contenu diffuse a l'emplacement ou est installe le dispositif d'enregistrement, une unite de l'acquisition de table de programmes de visualisations validees (103) destinee a acquerir une table de programmes (table de programmes de visualisations validees) d'un contenu diffuse a l'emplacement actuel, une unite d'evaluation de programmes identiques (104) destinee a comparer la table de programmes de visualisations validees a la table de programmes d'enregistrements valides de facon a evaluer si les programmes respectifs sont identiques, et une unite d'affichage (105) destinee a afficher si le programme actuellement visualise peut etre enregistre par le dispositif d'enregistrement conformement a l'evaluation d'identite realisee par l'unite d'evaluation de programmes identiques (104).

#### Legal Status (Type, Date, Text)

Publication 20051006 A1 with international search report.

Examination 20060518 Request for preliminary examination prior to end of  
19th month from priority date

12/5/28 (Item 2 from file: 349)  
 DIALOG(R)File 349:PCT FULLTEXT  
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01258560 \*\*Image available\*\*  
 DICTIONARY CREATION DEVICE AND DICTIONARY CREATION METHOD  
 DISPOSITIF DE CREATION DE DICTIONNAIRE ET PROCEDE DE CREATION DE  
 DICTIONNAIRE

## Patent Applicant/Assignee:

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 Osaka 5718501, JP, JP (Residence), JP (Nationality), (For all  
 designated states except: US)

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 NAITO Eiichi, -- (Residence), -- (Nationality), (Designated only for:  
 US)  
 OZAWA Jun, -- (Residence), -- (Nationality), (Designated only for: US)  
 YOSHIDA Hideyuki, -- (Residence), -- (Nationality), (Designated only for:  
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## Legal Representative:

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 Osaka 5320011, JP,

## Patent and Priority Information (Country, Number, Date):

Patent: WO 200566837 A1 20050721 (WO 0566837)  
 Application: WO 2004JP17578 20041126 (PCT/WO JP04017578)  
 Priority Application: JP 2003433872 20031226

## Designated States:

(All protection types applied unless otherwise stated - for applications  
 2004+)

AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO CR CU CZ DE DK DM  
 DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC  
 LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NA NI NO NZ OM PG PH PL PT RO  
 RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW  
 (EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LU MC NL PL PT  
 RO SE SI SK TR  
 (OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG  
 (AP) BW GH GM KE LS MW MZ NA SD SL SZ TZ UG ZM ZW  
 (EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class (v7): G06F-017/30

International Patent Class (v7): H04N-005/44

Publication Language: Japanese

Filing Language: Japanese

## English Abstract

There are provided a dictionary creation device and a dictionary creation method capable of appropriately creating and updating a dictionary for classifying, searching, or extracting text information according to the change of the content of text information groups. The dictionary creation device (100) includes: a keyword extraction unit (1) for extracting a keyword from the text information inputted; a keyword statistic unit (2) for calculating the statistic amount associated with the appearance of the keyword; a keyword evaluation value calculation unit (3) for calculating the evaluation value of the extracted keyword according to the statistic amount associated with the appearance of the keyword; a judgment unit (4) for judging whether to register or delete the keyword according to the evaluation value calculated; a dictionary registration/deletion unit (5) for registering or deleting the keyword into/from a dictionary database (102) according to the result of judgment performed by the judgment unit (4); and the dictionary database (102).

## French Abstract

La presente invention concerne un dispositif de creation de dictionnaire

et un procede de creation de dictionnaire permettant de creer et d'actualiser, de maniere appropriee, un dictionnaire pour classifier, rechercher ou extraire des informations textuelles en fonction de la modification du contenu de groupes d'informations textuelles. Le dispositif (100) de creation de dictionnaire decrit dans cette invention comprend : une unite d'extraction de mot-cle (1) permettant d'extraire un mot-cle d'informations textuelles entrees ; une unite statistique de mot-cles (2) permettant de calculer la quantite statistique associee a l'apparition du mot-cle ; une unite de calcul de valeurs d'evaluation de mot-cle (3) permettant de calculer la valeur d'evaluation du mot-cle extrait d'apres la quantite statistique associee a l'apparition du mot-cle ; une unite de decision (4) concue pour decider s'il convient d'enregistrer ou de supprimer le mot-cle d'apres la valeur d'evaluation calculee ; une unite d'enregistrement/suppression de dictionnaire (5) concue pour enregistrer ou supprimer le mot-cle dans/de la base de donnees de dictionnaires (102) d'apres le resultat de la decision executee par l'unite de decision (4) ; et la base de donnees de dictionnaires (102).

**Legal Status (Type, Date, Text)**

Publication 20050721 A1 With international search report.

Examination 20050825 Request for preliminary examination prior to expiration of applicable time limit under Rule 54bis.1(a)

12/5/29 (Item 3 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT  
(c) 2006 WIPO/Thomson. All rts. reserv.

01126592 \*\*Image available\*\*

OPERATION HISTORY UTILIZATION SYSTEM AND METHOD THEREOF  
SYSTEME D'UTILISATION DE L'HISTORIQUE D'UN FONCTIONNEMENT ET PROCEDE ASSOCIE

**Patent Applicant/Assignee:**

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**Patent Applicant/Inventor:**

KUTSUMI Hiroshi , 4-31, Terakata Nishikidori 1-chome, Moriguchi-shi, Osaka 570-0042, JP, JP (Residence), JP (Nationality), (Designated only for: US)

ARAKI Shouichi , 15-22-503, Imafukuhigashi 3-chome, Joto-ku, Osaka-shi, Osaka 536-0002, JP, JP (Residence), JP (Nationality), (Designated only for: US)

YOSHIDA Atsushi, 3-14, Miyukihiigashimachi, Neyagawa-shi, Osaka 572-0055, JP, JP (Residence), JP (Nationality), (Designated only for: US)

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**Patent and Priority\_Information (Country, Number, Date):**

Patent: WO 200449225 A1 20040610 (WO 0449225)

Application: WO 2003JP14776 20031120 (PCT/WO JP03014776)

Priority Application: JP 2002339702 20021122

**Designated States:**

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO CR CU CZ DE DK DM  
DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS KE KG KP KR KZ LC LK  
LR LS LT LU LV MA MD MG MK MN MW MX MZ NI NO NZ OM PG PH PL PT RO RU SC  
SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PT RO SE SI SK TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) BW GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class (v7): G06F-017/60

Publication Language: Japanese

Filing Language: Japanese

#### English Abstract

An operation history utilization system includes a terminal electric appliance (101), a server electric appliance (user server) (102), and an application server (103) which are connected to one another by a network. On the terminal electric appliance (101), there is mounted a device agent (201) for recording the device operated by a user, the operation content, and the operation time as an operation history set. On the server electric appliance (102), there is mounted a user agent (202) for receiving the operation history transmitted from the device agent (201) at a predetermined timing and managing the history in a centralized manner. On the application server (103), there is mounted a service concierge (203) for providing a service, considering the user's taste by inquiring the user agent (202) about the operation history.

#### French Abstract

L'invention concerne un systeme d'utilisation de l'historique d'un fonctionnement comprenant un appareil electrique de terminal (101), un appareil electrique de serveur (serveur utilisateur) (102) et un serveur d'applications (103) connectes les uns aux autres au moyen d'un reseau. Un agent de dispositif (201) est monte sur l'appareil electrique de terminal (101) afin d'enregistrer le dispositif mis en oeuvre par un utilisateur, le contenu du fonctionnement et le temps de fonctionnement sous la forme d'un ensemble d'historique de fonctionnement. Un agent utilisateur (202) est monte sur l'appareil electrique de serveur (102) afin de recevoir l'historique du fonctionnement emis depuis l'agent de dispositif (201) a un moment predetermine et afin de gerer l'historique de maniere centralisee. Un concierge de services (203) est monte sur le serveur d'applications (103) afin de fournir un service en fonction des gouts de l'utilisateur obtenus par enquete de l'agent utilisateur (202) sur l'historique du fonctionnement.

#### Legal Status (Type, Date, Text)

Publication 20040610 A1 with international search report.

Examination 20040708 Request for preliminary examination prior to end of 19th month from priority date

12/5/30 (Item 4 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT  
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01126591 \*\*Image available\*\*

ATTENDANT CIRCUMSTANCE UTILIZATION DEVICE  
DISPOSITIF PERMETTANT DE METTRE A PROFIT LE TYPE D'UNE PERSONNE ACCOMPAGNANTE

#### Patent Applicant/Assignee:

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#### Patent Applicant/Inventor:

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KUTSUMI Hiroshi , 4-31, Terakata Nishikidori 1-chome, Moriguchi-shi, Osaka 570-0042, JP, JP (Residence), JP (Nationality), (Designated only for: US)

YOSHIDA Atsushi, 3-14, Miyukihiigashimachi, Neyagawa-shi, Osaka 572-0055,  
JP, JP (Residence), JP (Nationality), (Designated only for: US)

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Center Bldg., 11-26, Nishinakajima 3-chome, Yodogawa-ku, Osaka-shi,  
Osaka 532-0011, JP,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200449224 A1 20040610 (WO 0449224)

Application: WO 2003JP14775 20031120 (PCT/WO JP03014775)

Priority Application: JP 2002338984 20021122

Designated States:

(Protection type is "patent" unless otherwise stated - for applications  
prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO CR CU CZ DE DK DM  
DZ EC EE EG FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC  
LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NI NO NZ OM PG PH PL PT RO RU  
SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW  
(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PT RO SE  
SI SK TR  
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG  
(AP) BW GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW  
(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class (v7): G06F-017/60

Publication Language: Japanese

Filing Language: Japanese

English Abstract

An attendant circumstance utilization device provides an optimal device function or a content to a user, considering an attendant circumstance with whom the user is. The device includes an attendant person ID detection section (101) for detecting attendant person information (attendant person ID) indicating with whom the user is and a device operation detection section (103) for detecting the device operation. The attendant person ID history is accumulated in the attendant person ID database (102) while relating the device operation history to the operation history database (104) at each detection time. By using a new attendant person ID detected by the attendant person ID detection section (101), the attendant person ID history in the attendant person ID database (102), and the device operation history in the operation history database (104), an attendant circumstance-dependent operation behavior judgment section (105) identifies a particular device operation behavior performed when the user was together with the current attendant person in the past. A function/ content providing section (106) provides a device function or a content in accordance with the particular device operation behavior to the user.

French Abstract

Dispositif permettant de mettre à profit le type d'une personne accompagnante, qui fournit à un utilisateur une fonction de dispositif optimale ou un contenu, sur la base du type de personne accompagnante avec qui se trouve l'utilisateur. L'édit dispositif comporte une partie de détection (101) de l'identification d'une personne accompagnante permettant de détecter des informations relatives à la personne accompagnante (identification de la personne accompagnante) indiquant avec qui est l'utilisateur et une partie de détection (103) de fonctionnement de dispositif permettant de détecter le fonctionnement du dispositif. L'historique d'identification de la personne accompagnante est stocké dans la base de données d'identification (102) de la personne accompagnante, l'historique de fonctionnement de dispositif étant mis en relation avec la base de données (104) d'historique de fonctionnement à chaque moment de détection. Sur la base d'une nouvelle identification de personne accompagnante détectée par la partie de détection (101) d'identification de personne accompagnante, de l'historique d'identification de la personne accompagnante dans la base de données

d'identification (102) de personne accompagnante et de l'historique de fonctionnement du dispositif dans la base de donnees (104) d'historique de fonctionnement, une partie de jugement (105) de comportement de fonctionnement en fonction du type de personne accompagnante identifie un comportement de fonctionnement particulier du dispositif, comportement pris lorsque l'utilisateur etait dans le passe avec la personne l'accompagnant sur le moment. Une partie de fourniture de contenu / fonction (106) fournit a l'utilisateur une fonction de dispositif ou un contenu selon le comportement de fonctionnement particulier du dispositif.

## Legal Status (Type, Date, Text)

Publication 20040610 A1 with international search report.

Examination 20040708 Request for preliminary examination prior to end of 19th month from priority date

12/5/31 (Item 5 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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01122018 \*\*Image available\*\*

VIEWING HISTORY RECORDING METHOD AND VIEWING HISTORY USE METHOD  
PROCEDE D'ENREGISTREMENT D'HISTORIQUE DE VISUALISATION ET PROCEDE  
D'UTILISATION D'HISTORIQUE DE VISUALISATION

## Patent Applicant/Assignee:

MATSUSHITA ELECTRIC INDUSTRIAL CO LTD, 1006, Oaza Kadoma, Kadoma-shi,  
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designated states except: US)

## Patent Applicant/Inventor:

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570-0042, JP, JP (Residence), JP (Nationality), (Designated only for:  
US)YOSHIDA Atsushi, Shofuryo, 3-14, Miyuki-higashimachi, Neyagawa-shi, Osaka  
572-0055, JP, JP (Residence), JP (Nationality), (Designated only for:  
US)ARAKI Shoichi , 3-15-22-503, Imafuku-higashi, Joto-ku, Osaka-shi, Osaka  
536-0002, JP, JP (Residence), JP (Nationality), (Designated only for:  
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## Legal Representative:

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Utsubohonmachi 1-cho4-8, Utsubohonmachi 1-chome, Nishi-ku, Osaka-shi,  
Osaka 550-0004, JP,

## Patent and Priority Information (Country, Number, Date):

Patent: WO 200445221 A1 20040527 (WO 0445221)

Application: WO 2003JP14484 20031113 (PCT/WO JP03014484)

Priority Application: JP 2002330892 20021114

## Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ  
EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK  
LR LS LT LU LV MA MD MG MK MN MW MX MZ NI NO NZ OM PG PH PL PT RO RU SC  
SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW  
(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PT RO SE  
SI SK TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) BW GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class (v7): H04N-017/00

International Patent Class (v7): H04N-005/44; G06F-017/60

Publication Language: Japanese

Filing Language: Japanese

English Abstract

In an electric device (11) such as a digital TV, a device agent (20) records a set of viewing date and time, a medium type identifier, and a content identifier as viewing history data. In a server device (12), a user agent (30) receives the viewing history data from the device agent (20) and registers it in a viewing history database. External service concierges (40, 50) access the server device (12) to utilize the content viewing history as a whole in the electric device (11) owned by a user.

French Abstract

Dans un dispositif électrique (11), tel qu'une télé numérique, un agent de dispositif (20) enregistre un ensemble date et heure de visualisation, un identificateur de type de support et un identificateur de contenu sous la forme de données d'historique de visualisation. Dans un dispositif serveur (12), un agent d'utilisateur (3) reçoit les données d'historique de visualisation en provenance de l'agent de dispositif (20) et les enregistre dans une base de données d'historique de visualisation. Des services de conciergerie externes (40, 50) accèdent au dispositif serveur (12), afin d'utiliser l'historique de visualisation de contenu dans son ensemble dans le dispositif électrique (11) propriété de l'utilisateur.

Legal Status (Type, Date, Text)

Publication 20040527 A1 With international search report.

Examination 20040624 Request for preliminary examination prior to end of  
19th month from priority date

12/TI,AU,IV,6/1 (Item 1 from file: 350)

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0015488178

WPI ACC NO: 2006-024775/200603

Information providing apparatus selects content description information from different types of content description information stored in content description information management apparatus, based on user interest information

Inventor: KUTSUMI H ; NAITO E ; OZAWA J; YOSHIDA H

Title Terms/Index Terms/Additional Words: INFORMATION; APPARATUS; SELECT; CONTENT ; DESCRIBE; TYPE; STORAGE; MANAGEMENT; BASED; USER; INTEREST

Original Publication Data by Authority

Inventor name & address:

OZAWA J,  
YOSHIDA H,  
NAITO E ,  
KUTSUMI H ,

12/TI,AU,IV,6/2 (Item 2 from file: 350)

DIALOG(R)File 350:(c) 2006 The Thomson Corporation. All rts. reserv..

0015471246

WPI ACC NO: 2005-809007/200582

Merchandise purchase system for network system has update that specifies user discrimination information stored in user information storage part according to access by mobile terminal specifying merchandise discrimination information

Original Titles:

System method and program for purchasing merchandise  
Inventor: ARAKI S

Title Terms/Index Terms/Additional words: MERCHANTISE; PURCHASE; SYSTEM;  
NETWORK; SPECIFIED; USER; DISCRIMINATE; INFORMATION; STORAGE; PART;  
ACCORD; ACCESS; MOBILE; TERMINAL

Original Publication Data by Authority

Inventor name & address:  
Araki, Shinichi , Tokyo, JP, Tokyo, JP

12/TI,AU,IV,6/3 (Item 3 from file: 350)  
DIALOG(R)File 350:(c) 2006 The Thomson Corporation. All rts. reserv.

0015350489

WPI ACC NO: 2005-700748/200572

Broadcast program watching support apparatus for television, judges  
similarity of program in watching guide in current location of support  
apparatus and program in recordable program guide in current location of  
recording apparatus

Original Titles:

Watching support apparatus and program recording system

VIEWING SUPPORT DEVICE AND PROGRAM RECORDING SYSTEM

DISPOSITIF D'ASSISTANCE A LA VISUALISATION ET SYSTEME D'ENREGISTREMENT DE  
PROGRAMME

Inventor: NAITO E ; OZAWA J

Title Terms/Index Terms/Additional words: BROADCAST; PROGRAM; WATCH;  
SUPPORT; APPARATUS; TELEVISION; JUDGEMENT; SIMILAR; GUIDE; CURRENT;  
LOCATE; RECORD

Original Publication Data by Authority

Inventor name & address:

Ozawa, Jun, Nara-shi, JP, Nara-shi, JP  
Naito, Eiichi , Yawata-shi, JP, Yawata-shi, JP  
OZAWA, Jun,  
NAITO, Eiichi ,

12/TI,AU,IV,6/4 (Item 4 from file: 350)  
DIALOG(R)File 350:(c) 2006 The Thomson Corporation. All rts. reserv.

0015184107

WPI ACC NO: 2005-533699/200554

Dictionary production apparatus for internet search system, determines  
whether keyword is registered into dictionary, or deleted from dictionary  
based on evaluated value of keyword

Original Titles:

DICTIONARY CREATION DEVICE AND DICTIONARY CREATION METHOD

DISPOSITIF DE CREATION DE DICTIONNAIRE ET PROCEDE DE CREATION DE

DICTIONNAIRE

Inventor: KUTSUMI H ; NAITO E ; OZAWA J; YOSHIDA H

Title Terms/Index Terms/Additional words: DICTIONARY; PRODUCE; APPARATUS;  
SEARCH; SYSTEM; DETERMINE; KEYWORD; REGISTER; DELETE; BASED; EVALUATE;  
VALUE

Original Publication Data by Authority

Inventor name & address:  
KUTSUMI, Hiroshi ,  
NAITO, Eiichi ,  
OZAWA, Jun,  
YOSHIDA, Hideyuki ,

12/TI,AU,IV,6/5 (Item 5 from file: 350)  
DIALOG(R)File 350:(c) 2006 The Thomson Corporation. All rts. reserv.

0015059785  
WPI ACC NO: 2005-409005/200542

Electronic music distribution system calculates bargain price of music content requested by user based on title information stored in recording media read by user terminal

**Original Titles:**

SERVICE-PROVIDING SYSTEM, SERVICE-PROVIDING METHOD AND USER TERMINAL  
Inventor: ARAKI S

Title Terms/Index Terms/Additional words: ELECTRONIC; MUSIC; DISTRIBUTE; SYSTEM; CALCULATE; PRICE; CONTENT ; REQUEST; USER; BASED; TITLE; INFORMATION; STORAGE; RECORD; MEDIUM; READ; TERMINAL

**Original Publication Data by Authority**

Inventor name & address:  
ARAKI SATOSHI ,

12/TI,AU,IV,6/6 (Item 6 from file: 350)  
DIALOG(R)File 350:(c) 2006 The Thomson Corporation. All rts. reserv.

0014635017  
WPI ACC NO: 2004-817016/

Content information providing method involves storing information about evaluation of content by several users and corresponding evaluation date, and determining similarity between users, at set time period

**Original Titles:**

INFORMATION PROVIDING METHOD, INFORMATION PROVIDING SYSTEM, ITS PROGRAM, AND PROGRAM STORAGE MEDIUM  
Inventor: NAITO E ; OZAWA

Title Terms/Index Terms/Additional words: CONTENT ; INFORMATION; METHOD; STORAGE; EVALUATE; USER; CORRESPOND; DATE; DETERMINE; SIMILAR; SET; TIME; PERIOD

**Original Publication Data by Authority**

Inventor name & address:  
NAITO EIICHI ,  
OZAWA JUN,

12/TI,AU,IV,6/7 (Item 7 from file: 350)  
DIALOG(R)File 350:(c) 2006 The Thomson Corporation. All rts. reserv.

0014264192

WPI ACC NO: 2004-450534/200442

Device operation history utilization system e.g. for digital TV, has application server for providing service by inquiring user agent about preset operation history including operation time and content of device operated by user

Original Titles:

OPERATION HISTORY UTILIZATION SYSTEM AND METHOD THEREOF

OPERATION HISTORY UTILIZATION SYSTEM AND ITS METHOD

Operation history utilization system and method thereof

OPERATION HISTORY UTILIZATION SYSTEM AND METHOD THEREOF

SYSTEME D'UTILISATION DE L'HISTORIQUE D'UN FONCTIONNEMENT ET PROCEDE

ASSOCIE

Inventor: ARAKI S ; KUTSUMI H ; MATSUURA S; YOSHIDA A

Title Terms/Index Terms/Additional Words: DEVICE; OPERATE; HISTORY; UTILISE ; SYSTEM; DIGITAL; TELEVISION; APPLY; SERVE; SERVICE; USER; AGENT; PRESET ; TIME; CONTENT

Original Publication Data by Authority

Australia

Publication No. AU 2003284584 A1 (Update 200471 E)

Publication Date: 20040618

\*\*OPERATION HISTORY UTILIZATION SYSTEM AND METHOD THEREOF\*\*

Assignee: MATSUSHITA ELECTRIC IND CO LTD (MATU)

Inventor: KUTSUMI H

ARAKI S

YOSHIDA A

MATSUURA S

Language: EN

Application: AU 2003284584 A 20031120 (Local application)

Priority: JP 2002339702 A 20021122

Related Publication: WO 2004049225 A (Based on OPI patent )

Current IPC: G06Q-30/00(R,I,M,EP,20060101,20051008,A)

G06Q-30/00(R,I,M,EP,20060101,20051008,C)

Inventor name & address:

KUTSUMI H ,

ARAKI S ,

YOSHIDA A,

MATSUURA S,

KUTSUMI HIROSHI ,

ARAKI SHOICHI ,

YOSHIDA ATSUSHI,

MATSUURA SATOSHI,

Kutsumi, Hiroshi , Moriguchi-shi, JP, Moriguchi-shi, JP

Araki, Shouichi , Osaka-shi, JP, Osaka-shi, JP

Yoshida, Atsushi, Neyagawa-shi, JP, Neyagawa-shi, JP

Matsuura, Satoshi, Kyotanabe-shi, JP, Kyotanabe-shi, JP

KUTSUMI, Hiroshi , 4-31, Terakata Nishikidori 1-chome, Moriguchi-shi,

Osaka 570-0042, JP, JP

ARAKI, Shouichi , 15-22-503, Imafukuhigashi 3-chome, Joto-ku, Osaka-shi,

Osaka 536-0002, JP, JP

YOSHIDA, Atsushi, 3-14, Miyukihiigashimachi, Neyagawa-shi, Osaka 572-0055,

JP, JP

MATSUURA, Satoshi, 45-5, Tanabe Dojo, Kyotanabe-shi, Kyoto 610-0331, JP, JP

12/TI,AU,IV,6/8 (Item 8 from file: 350)

DIALOG(R)File 350:(c) 2006 The Thomson Corporation. All rts. reserv.

0014264191

WPI ACC NO: 2004-450533/200442

Attendant circumstance utilization device judges device operation state according to new/old attendant accompanying user, and accordingly provides device function or content by referring corresponding database

**Original Titles:**

ATTENDANT CIRCUMSTANCE UTILIZATION DEVICE

Attendant circumstance utilization device

ATTENDANT CIRCUMSTANCE UTILIZATION DEVICE

DISPOSITIF PERMETTANT DE METTRE A PROFIT LE TYPE D'UNE PERSONNE

ACCOMPAGNANTE

Inventor: ARAKI S ; KUTSUMI H ; YOSHIDA A

**Title Terms/Index Terms/Additional words:** ATTEND; CIRCUMSTANCE; UTILISE; DEVICE; JUDGEMENT; OPERATE; STATE; ACCORD; NEW; ACCOMPANIED; USER; FUNCTION; CONTENT ; REFER; CORRESPOND; DATABASE

**Original Publication Data by Authority**

**Australia**

Publication No. AU-2003302265 A1 (Update 200471 E)

Publication Date: 20040618

\*\*ATTENDANT CIRCUMSTANCE UTILIZATION DEVICE\*\*

Assignee: MATSUSHITA ELECTRIC IND CO LTD (MATU)

Inventor: ARAKI S

KUTSUMI H

YOSHIDA A

Language: EN

Application: AU 2003302265 A 20031120 (Local application)

Priority: JP 2002338984 A 20021122

Related Publication: WO 2004049224 A (Based on OPI patent )

**Inventor name & address:**

ARAKI S ,

KUTSUMI H ,

YOSHIDA A,

Araki, Shouichi , Osaka-shi, JP, Osaka-shi, JP

Kutsumi, Hiroshi , Moriguchi-shi, JP, Moriguchi-shi, JP

Yoshida, Atsushi, Neyagawa-shi, JP, Neyagawa-shi, JP

ARAKI, Shouichi , 15-22-503, Imafukuhigashi 3-chome, Joto-ku, Osaka-shi, Osaka 536-0002, JP, JP

KUTSUMI, Hiroshi , 4-31, Terakata Nishikidori 1-chome, Moriguchi-shi, Osaka 570-0042, JP, JP

YOSHIDA, Atsushi, 3-14, Miyukihiigashimachi, Neyagawa-shi, Osaka 572-0055, JP, JP

12/TI,AU,IV,6/9 (Item 9 from file: 350)

DIALOG(R)File 350:(c) 2006 The Thomson Corporation. All rts. reserv.

0014263604

WPI ACC NO: 2004-449942/200442

Operation log cooperation utilizing device detects operation of device by user, stores and administrates detected operation as operation log and transmits current operation log to other device

**Original Titles:**

OPERATION LOG COOPERATION UTILIZING DEVICE

OPERATIONAL LOG LINKED UTILIZATION DEVICE AND ITS METHOD

Operation log cooperation utilizing device

OPERATION LOG COOPERATION UTILIZING DEVICE

DISPOSITIF UTILISANT DES JOURNAUX D'OPERATION DE COOPERATION

Inventor: ARAKI S ; HIROSHI K; KUTSUMI H ; MATSUURA S; YOSHIDA A

**Title Terms/Index Terms/Additional Words:** OPERATE; LOG; COOPERATE; UTILISE; DEVICE; DETECT; USER; STORAGE; TRANSMIT; CURRENT

**Original Publication Data by Authority**

**Australia**

Publication No. AU 2003277666 A1 (Update 200470 E)

Publication Date: 20040615

\*\*OPERATION LOG COOPERATION UTILIZING DEVICE\*\*

Assignee: MATSUSHITA ELECTRIC IND CO LTD (MATU)

Inventor: YOSHIDA A

MATSUURA S

ARAKI S

KUTSUMI H

Language: EN

Application: AU 2003277666 A 20031111 (Local application)

Priority: JP 2002334643 A 20021119

Related Publication: WO 2004046984 A (Based on OPI patent )

**Inventor name & address:**

YOSHIDA A,

MATSUURA S,

ARAKI S ,

KUTSUMI H ,

ARAKI SHOICHI ,

KUTSUMI HIROSHI ,

YOSHIDA ATSUSHI,

MATSUURA SATOSHI,

Araki, Shouichi , Osaka-shi, JP, Osaka-shi, JP

Hiroshi, Kutsumi, Moriguchi-shi, JP, Moriguchi-shi, JP

Yoshida, Atsushi, Neyagawa-shi, JP, Neyagawa-shi, JP

Matsuura, Satoshi, Kyotanabe-shi, JP, Kyotanabe-shi, JP

ARAKI, Shouichi , 15-22-503, Imafukuhigashi 3-chome, Jyoto-ku, Osaka-shi, Osaka 536-0002, JP, JP

KUTSUMI, Hiroshi , 4-31, Terakata Nishikidori 1-chome, Moriguchi-shi, Osaka 570-0042, JP, JP

YOSHIDA, Atsushi, Syofuryou, 3-14, Miyukihihoshi-machi, Neyagawa-shi, Osaka 572-0055, JP, JP

MATSUURA, Satoshi, 45-5, Tanabedojyo, Kyotanabe-shi, Kyoto 610-0331, JP, JP

12/TI,AU,IV,6/10 (Item 10 from file: 350)

DIALOG(R)File 350:(c) 2006 The Thomson Corporation. All rts. reserv.

0014254671

WPI ACC NO: 2004-440852/200441

Viewing information recording method for digital TV broadcast, involves receiving viewing history data from device agent and storing in database for utilizing in digital television

**Original Titles:**

VIEWING HISTORY RECORDING METHOD AND VIEWING HISTORY USE METHOD

Viewing history recording method and viewing history use method

VIEWING HISTORY RECORDING METHOD AND VIEWING HISTORY USE METHOD

PROCEDE D'ENREGISTREMENT D'HISTORIQUE DE VISUALISATION ET PROCEDE

D'UTILISATION D'HISTORIQUE DE VISUALISATION

Inventor: ARAKI S ; KUTSUMI H ; MATSUURA S; YOSHIDA A

**Title Terms/Index Terms/Additional Words:** VIEW; INFORMATION; RECORD; METHOD ; DIGITAL; TELEVISION; BROADCAST; RECEIVE; HISTORY; DATA; DEVICE; AGENT; STORAGE; DATABASE; UTILISE

**Original Publication Data by Authority**

**Australia**

Publication No. AU 2003280786 A1 (Update 200470 E)

Publication Date: 20040603

\*\*VIEWING HISTORY RECORDING METHOD AND VIEWING HISTORY USE METHOD\*\*

Assignee: MATSUSHITA ELECTRIC IND CO LTD (MATU)

Inventor: KUTSUMI H

YOSHIDA A

ARAKI S

MATSUURA S

Language: EN

Application: AU 2003280786 A 20031113 (Local application)

Priority: JP 2002330892 A 20021114

Related Publication: WO 2004045221 A (Based on OPI patent )

## Inventor name &amp; address:

KUTSUMI H ,

YOSHIDA A,

ARAKI S ,

MATSUURA S,

Matsuura, Satoshi, Kyoto, JP, Kyoto, JP

Kutsumi, Hiroshi , Osaka, JP, Osaka, JP

Yoshida, Atsushi, Osaka, JP, Osaka, JP

Araki, Shoichi , Osaka, JP, Osaka, JP

MATSUURA, Satoshi, 45-5, Tanabe-dojo, Kyotanabe-shi, Kyoto 610-0331, JP, JP

KUTSUMI, Hiroshi , 1-4-31, Terakata-nishikidori, Moriguchi-shi, Osaka

570-0042, JP, JP

YOSHIDA, Atsushi, Shofuryo, 3-14, Miyuki-higashimachi, Neyagawa-shi, Osaka

572-0055, JP, JP

ARAKI, Shoichi , 3-15-22-503, Imafuku-higashi, Joto-ku, Osaka-shi, Osaka

536-0002, JP, JP

12/TI,AU,IV,6/11 (Item 11 from file: 350)

DIALOG(R)File 350:(c) 2006 The Thomson Corporation. All rts. reserv.

0014150491

WPI ACC NO: 2004-335391/

Map content production apparatus used in car navigation apparatus, analyses map data which includes selected landmark data and selects optimal advance route from actual location to destination

## Original Titles:

DEVICE AND METHOD FOR GENERATING MAP CONTENT

Inventor: ABE T; ARAKI S ; INOUE K; MIYAZAWA T; SAITO T; SEKIGUCHI M;  
SUZUKI T; YAMAAI T; YAMAGATA HTitle Terms/Index Terms/Additional Words: MAP; CONTENT ; PRODUCE;  
APPARATUS; CAR; NAVIGATION; ANALYSE; DATA; SELECT; LANDMARK; OPTIMUM;  
ADVANCE; ROUTE; ACTUAL; LOCATE; DESTINATION

## Original Publication Data by Authority

## Inventor name &amp; address:

SEKIGUCHI MASARU,

MIYAZAWA TOSHIRO,

YAMAGATA HIDEAKI,

SAITO TAKASHI,

SUZUKI TOSHIHIRO,

ARAKI SADAFUMI ,

YAMAAI TOSHIFUMI ,

ABE TEI ,

INOUE KOICHI ,

12/TI,AU,IV,6/12 (Item 12 from file: 350)  
DIALOG(R)File 350:(c) 2006 The Thomson Corporation. All rts. reserv.

0013992832

WPI ACC NO: 2004-173996/200417

Digital content utilization system e.g. digital book, displays advertisement data on display of user terminal, when user uses the digital content delivered by server

**Original Titles:**

DIGITAL CONTENT USING SYSTEM, SERVER, USER TERMINAL, DIGITAL CONTENT USING METHOD, PROGRAM AND RECORDING MEDIUM

Inventor: ARAKI S ; KONO H; SUZUKI Y; TSUDA Y; YOSHIMARU S

**Title Terms/Index Terms/Additional Words:** DIGITAL; CONTENT ; UTILISE; SYSTEM; BOOK; DISPLAY; ADVERTISE; DATA; USER; TERMINAL; DELIVER; SERVE

**Original Publication Data by Authority**

**Inventor name & address:**

SUZUKI YUSUKE,  
YOSHIMARU SHINICHIRO,  
TSUDA YASUHIRO,  
ARAKI SHINICHIRO ,  
KONO HIDEKI,

12/TI,AU,IV,6/13 (Item 13 from file: 350)  
DIALOG(R)File 350:(c) 2006 The Thomson Corporation. All rts. reserv.

0013642403

WPI ACC NO: 2003-738335/200370

Network-based digital content utilization system e.g. for digital book identifies digital content store when purchase requisition of user is received and updates number of sales of content corresponding to identified store

**Original Titles:**

DIGITAL CONTENTS UTILIZATION SYSTEM, SERVER, USER TERMINAL, SHOP SIDE SERVER, DIGITAL CONTENTS UTILIZATION METHOD, PROGRAM, AND RECORDING MEDIUM

Inventor: ARAKI S ; SUZUKI Y; TSUDA Y; YOSHIMARU S

**Title Terms/Index Terms/Additional Words:** NETWORK; BASED; DIGITAL; CONTENT ; UTILISE; SYSTEM; BOOK; IDENTIFY; STORAGE; PURCHASE; USER; RECEIVE; UPDATE; NUMBER; SALE; CORRESPOND

**Original Publication Data by Authority**

**Inventor name & address:**

SUZUKI YUSUKE,  
YOSHIMARU SHINICHIRO,  
TSUDA YASUHIRO,  
ARAKI SHINICHIRO ,

12/TI,AU,IV,6/14 (Item 14 from file: 350)  
DIALOG(R)File 350:(c) 2006 The Thomson Corporation. All rts. reserv.

0013529599

WPI ACC NO: 2003-623005/

Content recommendation system for mobile telephone, selects content to be recommended to user, based on priority of user attribute and content attribute

**Original Titles:**

CONTENT RECOMMENDATION SYSTEM, CONTENT RECOMMENDATION DEVICE, CONTENT RECOMMENDATION METHOD, PROGRAM THEREFOR, AND PROGRAM STORAGE MEDIUM THEREFOR

Inventor: NAITO E ; OZAWA

**Title Terms/Index Terms/Additional Words:** CONTENT ; SYSTEM; MOBILE; TELEPHONE; SELECT; RECOMMENDED; USER; BASED; PRIORITY; ATTRIBUTE

**Original Publication Data by Authority**

Inventor name & address:

NAITO EIICHI ,  
OZAWA JUN,

12/TI,AU,IV,6/15 (Item 15 from file: 350)  
DIALOG(R)File 350:(c) 2006 The Thomson Corporation. All rts. reserv.

0013456034

WPI ACC NO: 2003-547524/

Portal site server for mobile telephone, personal handyphone system terminal, outputs content address list based on user's download log acquired from database and download log of another user that is similar to acquired log

**Original Titles:**

PORTAL SITE SERVER FOR PORTABLE TERMINAL AND ITS PROGRAM

Inventor: ARAKI S ; HOASHI K; INOUE N; MANEI M; MATSUOKA Y; TANAKA T

**Title Terms/Index Terms/Additional Words:** PORTAL; SITE; SERVE; MOBILE; TELEPHONE; PERSON; SYSTEM; TERMINAL; OUTPUT; CONTENT ; ADDRESS; LIST; BASED; USER; LOG; ACQUIRE; DATABASE; SIMILAR

**Original Publication Data by Authority**

Inventor name & address:

TANAKA TAKUYA,  
HOASHI KEIICHIRO,  
INOUE NAOKI,  
MATSUOKA YAYOI,  
ARAKI SHINICHIRO ,  
MANEI MASANOBU,

12/TI,AU,IV,6/16 (Item 16 from file: 350)  
DIALOG(R)File 350:(c) 2006 The Thomson Corporation. All rts. reserv.

0013409292

WPI ACC NO: 2003-499647/200347

Digital content utilization system e.g. for electronic notebook, authenticates utilization of content , when utilization unit identifier extracted while decoding content , is in accord with identifier delivered to utilization unit

**Original Titles:**

DIGITAL CONTENTS USING SYSTEM, SERVER, USER TERMINAL, DIGITAL CONTENTS USING METHOD, PROGRAM AND RECORDING MEDIUM

Inventor: ARAKI S ; SUZUKI Y; TSUDA Y; YOSHIMARU S

Title Terms/Index Terms/Additional Words: DIGITAL; CONTENT ; UTILISE; SYSTEM; ELECTRONIC; UNIT; IDENTIFY; EXTRACT; DECODE; ACCORD; DELIVER

**Original Publication Data by Authority**

Inventor name & address:  
SUZUKI YUSUKE,  
YOSHIMARU SHINICHIRO,  
TSUDA YASUHIRO,  
ARAKI SHINICHIRO ,

12/TI,AU,IV,6/17 ..(Item 17 from file: 350)  
DIALOG(R)File 350:(c) 2006 The Thomson Corporation. All rts. reserv.

0013234774

WPI ACC NO: 2003-319869/

Electronic settlement system transfers requested payment of corresponding digital content from customer account to marketing person's account, and transmits preset decoding data to perform decoding of encoded digital content

**Original Titles:**

ELECTRONIC SETTLEMENT SYSTEM, SELLER SIDE SERVER, CUSTOMER SIDE INFORMATION TERMINAL, SETTLEMENT SIDE SERVER, ELECTRONIC SETTLEMENT METHOD, AND PROGRAM AND RECORDING MEDIUM

Inventor: AIZAWA T; ARAKI S ; KAWAI N; KIGAWA M; SUEMATSU C

Title Terms/Index Terms/Additional Words: ELECTRONIC; SETTLE; SYSTEM; TRANSFER; REQUEST; PAY; CORRESPOND; DIGITAL; CONTENT ; CUSTOMER; ACCOUNT ; MARKET; PERSON; TRANSMIT; PRESET; DECODE; DATA; PERFORMANCE; ENCODE

**Original Publication Data by Authority**

Inventor name & address:  
ARAKI SHINICHIRO ,  
KIGAWA MASARU,  
AIZAWA TERUAKI,  
KAWAI NAOKI,  
SUEMATSU CHIHIRO,

12/TI,AU,IV,6/18 (Item 18 from file: 350)  
DIALOG(R)File 350:(c) 2006 The Thomson Corporation. All rts. reserv.

0012987514

WPI ACC NO: 2003-065222/

Information recommendations system for internet, updates user profile based on document vector created using static and dynamic document vectors of selected information unit

**Original Titles:**

SYSTEM, METHOD AND PROGRAM FOR RECOMMENDING INFORMATION, AND RECORDING MEDIUM HAVING THE PROGRAM RECORDED THEREON

Inventor: ARAKI S ; KUTSUMI H ; NAITO E

Title Terms/Index Terms/Additional Words: INFORMATION; SYSTEM; UPDATE; USER ; PROFILE; BASED; DOCUMENT; VECTOR; STATIC; DYNAMIC; SELECT; UNIT

**Original Publication Data by Authority**

## Inventor name &amp; address:

NAITO EIICHI ,  
KUTSUMI HIROSHI ,  
ARAKI SHOICHI ,

12/TI,AU,IV,6/19 (Item 19 from file: 350)  
DIALOG(R)File 350:(c) 2006 The Thomson Corporation. All rts. reserv.

0012277788

WPI ACC NO: 2002-218573/200228

Data processing method for streamed multimedia data, involves selecting segment from media content based on score assigned to input content description data

## Original Titles:

Datenverarbeitungsverfahren und Speichermedium und Rechnerprogramm fur das Datenverarbeitungsverfahren

Data processing method and storage medium, and program for causing computer to execute the data processing method

Procede de traitement de donnees et support d'enregistrement et programme pour le procede de traitement de donnees

DATA PROCESSING METHOD, RECORDING MEDIUM AND PROGRAM FOR EXECUTING DATA PROCESSING METHOD VIA COMPUTER

DATA PROCESSOR, DATA PROCESSING METHOD, RECORDING MEDIUM, AND PROGRAM FOR MAKING COMPUTER EXECUTE THE DATA PROCESSING METHOD

Data processing method and storage medium, and program for causing computer to execute the data processing method

Inventor: ARAKI S ; EITO M; EMURA K; ETOH M; MUNETSUGI T; MUNETSUGU T

Title Terms/Index Terms/Additional Words: DATA; PROCESS; METHOD; STREAM; SELECT; SEGMENT; MEDIUM; CONTENT ; BASED; SCORE; ASSIGN; INPUT; DESCRIBE

## Original Publication Data by Authority

## Inventor name &amp; address:

Munetsugu, Toshihiko, 3-2-6, Kuraji, Katano-shi, Osaka, JP, Katano-shi, Osaka, JP

Etoh, Minoru, 39-21, Nokendaidori, Kanazawa-ku, Yokohama-shi, Kanagawa, JP, Yokohama-shi, Kanagawa, JP

Araki, Shoichi , 3-15-22-503, Imafukuhigashi, Joto-ku, Osaka-shi, Osaka, JP, Osaka-shi, Osaka, JP

Emura, Koichi, 10-18-A402, Nagatahigashi 1-chome, Minami-ku, Yokohama-shi, Kanagawa, JP, Yokohama-shi, Kanagawa, JP

MUNETSUGI TOSHIHIKO,

EMURA KOICHI,

EITO MINORU,

ARAKI SHOICHI ,

MUNETSUGI TOSHIHIKO,

EMURA KOICHI,

EITO MINORU,

ARAKI SHOICHI ,

Munetsugu, Toshihiko, Osaka, JP, Osaka, JP

Etoh, Minoru, Kanagawa, JP, Kanagawa, JP

Araki, Shoichi , Osaka, JP, Osaka, JP

Emura, Koichi, Kanagawa, JP, Kanagawa, JP

12/TI,AU,IV,6/20 (Item 20 from file: 350)  
DIALOG(R)File 350:(c) 2006 The Thomson Corporation. All rts. reserv.

0011189184

WPI ACC NO: 2002-127353/

Data analysis method involves mapping contents and attribute data, by analyzing attribute data obtained from user, and content information

Original Titles:

DATA ANALYZING METHOD, INFORMATION RETRIEVING METHOD, AND INFORMATION RECOMMENDING METHOD

Inventor: ARAKI S ; KUTSUMI H ; NAITO E

Title Terms/Index Terms/Additional Words: DATA; ANALYSE; METHOD; MAP; CONTENT ; ATTRIBUTE; OBTAIN; USER; INFORMATION

Original Publication Data by Authority

Inventor name & address:

ARAKI SHOICHI ,

NAITO EIICHI ,

KUTSUMI HIROSHI ,

12/TI,AU,IV,6/21 (Item 21 from file: 350)

DIALOG(R)File 350:(c) 2006 The Thomson Corporation. All rts. reserv.

0011154376

WPI ACC NO: 2002-091654/

Information recommendation apparatus for Internet, selects and recommends contents coinciding with or similar to input condition, from multiple contents stored in database

Original Titles:

System und Vorrichtung zum Empfehlen von Informationen  
Information recommendation apparatus and information recommendation system

Système et appareil de recommandation d'informations

DEVICE AND SYSTEM FOR RECOMMENDING INFORMATION

Information recommendation apparatus and information recommendation system

Inventor: ARAKI S ; HIRATSUKA T ; JITOSHO H; JITOUSHO Y ; KUTSUMI H ; NAITO E

Title Terms/Index Terms/Additional Words: INFORMATION; APPARATUS; SELECT; CONTENT ; COINCIDE; SIMILAR; INPUT; CONDITION; MULTIPLE; STORAGE; DATABASE

Original Publication Data by Authority

Inventor name & address:

Kutsumi, Hiroshi , 1-4-31, Terakatanishikidori, Moriguchi-shi, Osaka 570-0042, JP, Moriguchi-shi, Osaka 570-0042, JP

Araki, Shouichi , 3-15-22-503, Imafukuhigashi, Joto-ku, Osaka-shi, Osaka 536-0002, JP, Osaka-shi, Osaka 536-0002, JP

Naito, Eiichi , 2-31, Takigikuwanoki, Kyotanabe-shi, Kyoto 610-0341, JP, Kyotanabe-shi, Kyoto 610-0341, JP

Hiratsuka, Tomoyasu , Park City Chiharadai 2-510, 3-32-1-1, Chiaradai, Ichibara-shi, Chiba 290-0158, JP, Ichibara-shi, Chiba 290-0158, JP

Jitousho, Yuumi , 3-13-2-105, Osone, Minatokita-ku, Yokohama-shi, Kanagawa 222-0003, JP, Yokohama-shi, Kanagawa 222-0003, JP

KUTSUMI HIROSHI ,

ARAKI SHOICHI ,

NAITO EIICHI ,

HIRATSUKA TOMOYASU ,

JITOSHO HIROMI ,

Kutsumi, Hiroshi , Osaka, JP, Osaka, JP

Araki, Shouichi , Osaka, JP, Osaka, JP  
Naito, Eiichi , Kyotanabe-shi, JP, Kyotanabe-shi, JP  
Hiratsuka, Tomoyasu , Ichihara-shi, JP, Ichihara-shi, JP  
Jitousho, Yuumi , Yokohama-shi, JP, Yokohama-shi, JP

12/TI,AU,IV,6/22 (Item 22 from file: 350)  
DIALOG(R)File 350:(c) 2006 The Thomson Corporation. All rts. reserv.

0011086211

WPI ACC NO: 2002-021719/

Contents recommendation system has contents recommendation device that determines recommendation contents for every user based on contents group and comprehensive contents group obtained about all users

**Original Titles:**

CONTENTS RECOMMENDATION SYSTEM

Inventor: ARAKI S ; MIYAHIRO E; YOSHIDA H

Title Terms/Index Terms/Additional Words: CONTENT ; SYSTEM; DEVICE;  
DETERMINE; USER; BASED; GROUP; COMPREHENSIVE; OBTAIN

**Original Publication Data by Authority**

**Inventor name & address:**

MIYAHIRO EIICHI,  
ARAKI SHINICHIRO ,  
YOSHIDA HIROSHI,

12/TI,AU,IV,6/23 (Item 23 from file: 350)  
DIALOG(R)File 350:(c) 2006 The Thomson Corporation. All rts. reserv.

0010728083

WPI ACC NO: 2001-339810/

User information recommendation procedure for internet, involves selecting introduction information from user profile, based on degree of recommendation and recommends to user

**Original Titles:**

INFORMATION RECOMMENDING METHOD

Inventor: ARAKI S ; KUTSUMI H ; MARUNO S; NAITO E

Title Terms/Index Terms/Additional Words: USER; INFORMATION; PROCEDURE;  
SELECT; INTRODUCING; PROFILE; BASED; DEGREE

**Original Publication Data by Authority**

**Inventor name & address:**

ARAKI SHOICHI ,  
NAITO EIICHI ,  
KUTSUMI HIROSHI ,  
MARUNO SUSUMU,

12/TI,AU,IV,6/24 (Item 24 from file: 350)  
DIALOG(R)File 350:(c) 2006 The Thomson Corporation. All rts. reserv.

0010237512

WPI ACC NO: 2000-549170/200050

Information transfer system and apparatus for preparing electronic mail

**Original Titles:**

INFORMATIONENTRANSFERSYSTEM UND GERAT ZUM BEREITEN VON E-MAIL  
INFORMATION TRANSFER SYSTEM AND APPARATUS FOR PREPARING ELECTRONIC MAIL  
SYSTEME ET APPAREIL DE TRANSFERT D'INFORMATIONS POUR LA PREPARATION DE  
COURRIER ELECTRONIQUE  
TERMINAL, INFORMATION TRANSFER SYSTEM AND PROGRAM RECORDING MEDIUM  
ELECTRONIC MAIL GENERATING DEVICE AND PROGRAM RECORDING MEDIUM  
TERMINAL UNIT, INFORMATION TRANSFER SYSTEM AND PROGRAM RECORDING MEDIUM  
TERMINAL DEVICE, INFORMATION TRANSFER SYSTEM, AND PROGRAM RECORDING MEDIUM  
E-MAIL CREATION DEVICE AND PROGRAM RECORD MEDIUM  
E-mail preparation device, terminal device, information forwarding system,  
and program recording medium

INFORMATION TRANSFER SYSTEM AND APPARATUS FOR PREPARING ELECTRONIC MAIL  
SYSTEME ET APPAREIL DE TRANSFERT D'INFORMATIONS POUR LA PREPARATION DE  
COURRIER ELECTRONIQUE

Inventor: ANO T; ARAKI S ; IMANAKA T; KUTSUMI H ; MIURA K; MIURA Y; TADA  
C

**Title Terms/Index Terms/Additional Words:** INFORMATION; TRANSFER; SYSTEM;  
APPARATUS; PREPARATION; ELECTRONIC; MAIL

**Original Publication Data by Authority****Inventor name & address:**

KUTSUMI H ,  
MIURA K ,  
IMANAKA T ,  
KUTSUMI, Hiroshi , 1-4-31, Terakata-Nishikidori, Moriguchi-shi, Osaka  
570-0042, JP, Moriguchi-shi, Osaka 570-0042, JP  
MIURA, Kouji , 4-42-2-206, Hosoda, Katsushika-ku, Tokyo 124-0021, JP,  
Katsushika-ku, Tokyo 124-0021, JP  
IMANAKA, Takeshi , 3-15-21-305, Tomiokita, Nara-shi, Nara 631-0076, JP,  
Nara-shi, Nara 631-0076, JP  
ARAKI, Shouichi , 3-15-22-503, Imafukuhigashi, Jyoto-ku, Osaka-shi, Osaka  
536-0002, JP, Osaka-shi, Osaka 536-0002, JP  
ANO, Tadashi , 1-7-1-1003, Sumiregaoka, Takarazuka-shi, Hyogo 665-0847, JP,  
Takarazuka-shi, Hyogo 665-0847, JP  
TADA, Chikako , 2-8-36-705, Nagarahigashi, Kita-ku, Oaka-shi, Osaka  
531-0063, JP, Oaka-shi, Osaka 531-0063, JP  
KUTSUMI HIROSHI ,  
MIURA YASUSHI ,  
IMANAKA TAKESHI ,  
KUTSUMI HIROSHI ,  
ARAKI SHOICHI ,  
IMANAKA TAKESHI ,  
ANO TADASHI ,  
TADA CHIKAKO ,  
KUTSUMI HIROSHI ,  
MIURA YASUSHI ,  
IMANAKA TAKESHI ,  
KUTSUMI HIROSHI ,  
ARAKI SHOICHI ,  
IMANAKA TAKESHI ,  
ANO TADASHI ,  
TADA CHIKAKO ,  
Kutsumi, Hiroshi , Moriguchi, JP, Moriguchi, JP  
Miura, Kouji, Matsubara, JP, Matsubara, JP  
Imanaka, Takeshi, Nara, JP, Nara, JP  
Araki, Shouichi , Osaka, JP, Osaka, JP  
Ano, Tadashi, Takarazuka, JP, Takarazuka, JP

Tada, Chikako, Osaka, JP, Osaka, JP  
 KUTSUMI, Hiroshi , 1-4-31, Terakata-Nishikidori, Moriguchi-shi, Osaka  
 570-0042, JP, JP  
 MIURA, Kouji, 4-42-2-206, Hosoda, Katsushika-ku, Tokyo 124-0021, JP, JP  
 IMANAKA, Takeshi, 3-15-21-305, Tomiokita, Nara-shi, Nara 631-0076, JP, JP  
 ARAKI, Shouichi , 3-15-22-503, Imafukuhigashi, Jyoto-ku, Osaka-shi, Osaka  
 536-0002, JP, JP  
 ANO, Tadashi, 1-7-1-1003, Sumiregaoka, Takarazuka-shi, Hyogo 665-0847, JP,  
 JP  
 TADA, Chikako, 2-8-36-705, Nagarahigashi, Kita-ku, Osaka-shi, Osaka  
 531-0063, JP, JP

12/TI,AU,IV,6/25 (Item 25 from file: 350)  
 DIALOG(R)File 350:(c) 2006 The Thomson Corporation. All rts. reserv.

0010175026

WPI ACC NO: 2000-484515/200043

Data processing device for viewing, playback of motion picture, video program or audio program has selection device for selecting at least one segment from media content on basis of score assigned to context description data

**Original Titles:**

Datenverarbeitungs-vorrichtung, und -verfahren, Speichemedium, und Rechnerprogramm fur das Datenverarbeitungsverfahren  
 Data processing device, data processing method and storage medium, and program for causing computer to execute the data processing method  
 Dispositif et procede de traitement de donnees, support d'enregistrement, et programme pour le procede de traitement de donnees  
 DEVICE AND METHOD FOR PROCESSING DATA AND RECORDING MEDIUM, AND PROGRAM FOR ALLOWING COMPUTER TO EXECUTE DATA PROCESSING METHOD  
 DATA PROCESSING APPARATUS, DATA PROCESSING METHOD, RECORDING MEDIUM, AND PROGRAM FOR MAKING COMPUTER TO PERFORM THE DATA PROCESSING METHOD  
 DATA PROCESSING APPARATUS, DATA PROCESSING METHOD AND RECORDING MEDIUM, AND PROGRAM FOR MAKING COMPUTER EXECUTE THE DATA PROCESSING METHOD  
 DATA PROCESSING APPARATUS, DATA PROCESSING METHOD, RECORDING MEDIUM, AND PROGRAM FOR MAKING COMPUTER TO EXECUTE THE DATA PROCESSING METHOD  
 Data processing device, data processing method and storage medium, and program for causing computer to execute the data processing method  
 Inventor: ARAKI S ; EIDO M; EITO M; EMURA K; ETOH M; MUNETSUGI T;  
 MUNETSUGU T; MUNETSUZUKU T

**Title Terms/Index Terms/Additional Words:** DATA; PROCESS; DEVICE; VIEW; PLAYBACK; MOTION; PICTURE; VIDEO; PROGRAM; AUDIO; SELECT; ONE; SEGMENT; MEDIUM; CONTENT ; BASIS; SCORE; ASSIGN; CONTEXT; DESCRIBE

**Original Publication Data by Authority**

**Inventor name & address:**

MUNETSUZUKU T,  
 EIDO M,  
 ARAKI S ,  
 Munetsugu, Toshihiko, No. 1002, 6-9-15, Higashikasai, Edogawa-ku, Tokyo, JP  
 , Tokyo, JP  
 Etoh, Minoru, No. 101, 510-1, Suenaga, Takatsu-ku, Kawasaki-shi, Kanagawa, JP, Kawasaki-shi, Kanagawa, JP  
 Araki, Shouichi , No. 503, 3-15-22, Imafukuhigashi, Jyoto-ku, Osaka-shi, Osaka, JP, Osaka-shi, Osaka, JP  
 Emura, Koichi, A402, 10-18 Nagatahigashimachi, Minami-ku, Yokohama-shi; Kanagawa, JP, Yokohama-shi, Kanagawa, JP  
 MUNETSUGI TOSHIHIKO,  
 EITO MINORU,

ARAKI SHOICHI ,  
EMURA KOICHI,  
MUNETSUGI TOSHIHIKO,  
EITO MINORU,  
ARAKI SHOICHI ,  
EMURA KOICHI,  
MUNETSUGI TOSHIHIKO,  
EITO MINORU,  
ARAKI SHOICHI ,  
EMURA KOICHI,  
MUNETSUGI TOSHIHIKO,  
EITO MINORU,  
ARAKI SHOICHI ,  
EMURA KOICHI,  
Munetsugu, Toshihiko, Tokyo, JP, Tokyo, JP  
Etoh, Minoru, Kanagawa, JP, Kanagawa, JP  
Araki, Shouichi , Osaka, JP, Osaka, JP  
Emura, Koichi, Kanagawa, JP, Kanagawa, JP

12/TI,AU,IV,6/26 (Item 26 from file: 350)  
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0009100628

WPI ACC NO: 1999-019762/

Information display method for facsimile - involves deciding contents of data display by contents determining unit, based on predetermined data structure and data stored in respective memories

**Original Titles:**

METHOD AND DEVICE FOR RECEIVING AND DISPLAYING INFORMATION

Inventor: IMANAKA T; KUTSUMI H ; MATSUURA S; MIURA Y

Title Terms/Index Terms/Additional Words: INFORMATION; DISPLAY; METHOD;  
FACSIMILE; DECIDE; CONTENT ; DATA; DETERMINE; UNIT; BASED; PREDETERMINED  
; STRUCTURE; STORAGE; RESPECTIVE; MEMORY

**Original Publication Data by Authority**

**Inventor name & address:**

IMANAKA TAKESHI,

MIURA YASUSHI,

KUTSUMI HIROSHI ,

MATSUURA SATOSHI, .

12/TI,AU,IV,6/27 (Item 1 from file: 349)  
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01285623

VIEWING SUPPORT DEVICE AND PROGRAM RECORDING SYSTEM

DISPOSITIF D'ASSISTANCE A LA VISUALISATION ET SYSTEME D'ENREGISTREMENT DE  
PROGRAMME

**Patent Applicant/Inventor:**

OZAWA Jun, -- (Residence), -- (Nationality), (Designated only for: US)  
NAITO Eiichi , -- (Residence), -- (Nationality), (Designated only for:  
US)

Publication Language: Japanese

Filing Language: Japanese

Publication Year: 2005

12/TI,AU,IV,6/28 (Item 2 from file: 349)

DIALOG(R)File 349:(c) 2006 WIPO/Thomson. All rts. reserv.

01258560

DICTIONARY CREATION DEVICE AND DICTIONARY CREATION METHOD  
DISPOSITIF DE CREATION DE DICTIONNAIRE ET PROCEDE DE CREATION DE  
DICTIONNAIRE

Patent Applicant/Inventor:

KUTSUMI Hiroshi , -- (Residence), -- (Nationality), (Designated only for: US)

NAITO Eiichi , -- (Residence), -- (Nationality), (Designated only for: US)

OZAWA Jun, -- (Residence), -- (Nationality), (Designated only for: US)

YOSHIDA Hideyuki, -- (Residence), -- (Nationality), (Designated only for: US)

Publication Language: Japanese

Filing Language: Japanese

Publication Year: 2005

12/TI,AU,IV,6/29 (Item 3 from file: 349)

DIALOG(R)File 349:(c) 2006 WIPO/Thomson. All rts. reserv.

01126592

OPERATION HISTORY UTILIZATION SYSTEM AND METHOD THEREOF  
SYSTEME D'UTILISATION DE L'HISTORIQUE D'UN FONCTIONNEMENT ET PROCEDE  
ASSOCIE

Patent Applicant/Inventor:

KUTSUMI Hiroshi , 4-31, Terakata Nishikidori 1-chome, Moriguchi-shi,  
Osaka 570-0042, JP, JP (Residence), JP (Nationality), (Designated only for: US)

ARAKI Shouichi , 15-22-503, Imafukuhiigashi 3-chome, Joto-ku,  
Osaka-shi, Osaka 536-0002, JP, JP (Residence), JP (Nationality),  
(Designated only for: US)

YOSHIDA Atsushi, 3-14, Miyukihiigashimachi, Neyagawa-shi, Osaka 572-0055,  
JP, JP (Residence), JP (Nationality), (Designated only for: US)

MATSUURA Satoshi, 45-5, Tanabe Dojo, Kyotanabe-shi, Kyoto 610-0331, JP,  
JP (Residence), JP (Nationality), (Designated only for: US)

Publication Language: Japanese

Filing Language: Japanese

Publication Year: 2004

12/TI,AU,IV,6/30 (Item 4 from file: 349)

DIALOG(R)File 349:(c) 2006 WIPO/Thomson. All rts. reserv.

01126591

ATTENDANT CIRCUMSTANCE UTILIZATION DEVICE  
DISPOSITIF PERMETTANT DE METTRE A PROFIT LE TYPE D'UNE PERSONNE  
ACCOMPAGNANTE

Patent Applicant/Inventor:

ARAKI Shouichi , 15-22-503, Imafukuhiigashi 3-chome, Joto-ku,  
Osaka-shi, Osaka 536-0002, JP, JP (Residence), JP (Nationality),  
(Designated only for: US)

KUTSUMI Hiroshi , 4-31, Terakata Nishikidori 1-chome, Moriguchi-shi,  
Osaka 570-0042, JP, JP (Residence), JP (Nationality), (Designated only for: US)

YOSHIDA Atsushi, 3-14, Miyukihiigashimachi, Neyagawa-shi, Osaka 572-0055,  
JP, JP (Residence), JP (Nationality), (Designated only for: US)

Publication Language: Japanese

Filing Language: Japanese

Publication Year: 2004

12/TI,AU,IV,6/31 (Item 5 from file: 349)

DIALOG(R)File 349:(c) 2006 WIPO/Thomson. All rts. reserv.

01122018

VIEWING HISTORY RECORDING METHOD AND VIEWING HISTORY USE METHOD  
PROCEDE D'ENREGISTREMENT D'HISTORIQUE DE VISUALISATION ET PROCEDE  
D'UTILISATION D'HISTORIQUE DE VISUALISATION

Patent Applicant/Inventor:

MATSUURA Satoshi, 45-5, Tanabe-dojo, Kyotanabe-shi, Kyoto 610-0331, JP,  
JP (Residence), JP (Nationality), (Designated only for: US)

KUTSUMI Hiroshi, 1-4-31, Terakata-nishikidori, Moriguchi-shi, Osaka  
570-0042, JP, JP (Residence), JP (Nationality), (Designated only for:  
US)

YOSHIDA Atsushi, Shofuryo, 3-14, Miyuki-higashimachi, Neyagawa-shi, Osaka  
572-0055, JP, JP (Residence), JP (Nationality), (Designated only for:  
US)

ARAKI Shoichi, 3-15-22-503, Imafuku-higashi, Joto-ku, Osaka-shi, Osaka  
536-0002, JP, JP (Residence), JP (Nationality), (Designated only for:  
US)

Publication Language: Japanese

Filing Language: Japanese

Publication Year: 2004

**Inventor Search NPL**

| Set  | Items   | Description  |
|------|---|--|
| S1   | 23  | AU=(KUTSUMI, H? OR KUTSUMI H? OR HIROSHI(2N)KUTSUMI) OR BY-<br>=(HIROSHI(2N)KUTSUMI)         |
| S2   | 595   | AU=(ARAKI, S? OR ARAKI S? OR SHOUICHI(2N)ARAKI) OR BY=(SHO-<br>UICHI(2N)ARAKI)               |
| S3   | 65  | AU=(NAITO, E? OR NAITO E? OR EIICHI(2N)NAITO) OR BY=(EIICH-<br>I(2N)NAITO)                   |
| S4   | 48  | AU=(HIRATSUKA, T? OR HIRATSUKA T? OR TOMOYASU(2N)HIRATSUKA)<br>OR BY=(TOMOYASU(2N)HIRATSUKA) |
| S5   | 0   | AU=(JITOUSHO, Y? OR JITOUSHO Y? OR JITOUSHO(2N)YUUMI) OR BY-<br>=(JITOUSHO(2N)YUUMI)         |
| S6   | 0   | S1 AND S2 AND S3 AND S4  |
| S7   | 727   | S1 OR S2 OR S3 OR S4 OR S5   |
| S8   | 31  | S7 AND (CONTENT OR REVIEW? ? OR RECOMMENDATION? OR CONTRIB-<br>UTION? OR SUBMISSION?)        |
| S9   | 29  | RD:-(unique items)   |
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|      | (c) 2006 Institution of Electrical Engineers        |  |
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|      | (c) 2006 The New York Times                         |  |
| File | 583:Gale Group Globalbase(TM) 1986-2002/Dec 13      |  |
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| File | 15:ABI/Inform(R) 1971-2006/Nov 01                   |  |
|      | (c) 2006 ProQuest Info&Learning                     |  |
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|      | (c) 2006 Dialog                                     |  |
| File | 610:Business Wire 1999-2006/Nov 01                  |  |
|      | (c) 2006 Business Wire.                             |  |
| File | 810:Business Wire 1986-1999/Feb 28                  |  |
|      | (c) 1999 Business Wire                              |  |
| File | 476:Financial Times Fulltext 1982-2006/Nov 01       |  |
|      | (c) 2006 Financial Times Ltd                        |  |
| File | 613:PR Newswire 1999-2006/Nov 01                    |  |
|      | (c) 2006 PR Newswire Association Inc                |  |
| File | 813:PR Newswire 1987-1999/Apr 30                    |  |
|      | (c) 1999 PR Newswire Association Inc                |  |
| File | 634:San Jose Mercury Jun 1985-2006/Oct 31           |  |
|      | (c) 2006 San Jose Mercury News                      |  |
| File | 624:McGraw-Hill Publications 1985-2006/Nov 01       |  |
|      | (c) 2006 McGraw-Hill Co. Inc                        |  |
| File | 9:Business & Industry(R) Jul/1994-2006/Oct 31       |  |
|      | (c) 2006 The Gale Group                             |  |
| File | 275:Gale Group Computer DB(TM) 1983-2006/Nov 01     |  |
|      | (c) 2006 The Gale Group                             |  |
| File | 621:Gale Group New Prod.Annou.(R) 1985-2006/Oct 31  |  |
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| File | 636:Gale Group Newsletter DB(TM) 1987-2006/Nov 01   |  |
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|      | (c) 2006 The Gale Group                             |  |
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|      | (c) 1999 The Gale Group                             |  |
| File | 148:Gale Group Trade & Industry DB 1976-2006/Nov 01 |  |
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File 635:Business Dateline(R) 1985-2006/Nov 01  
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File 477:Irish Times 1999-2006/Nov 01  
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(c) 2006 Times Newspapers  
File 711:Independent(London) Sep 1988-2006/Nov 01  
(c) 2006 Newspaper Publ. PLC  
File 756:Daily/Sunday Telegraph 2000-2006/Nov 01  
(c) 2006 Telegraph Group  
File 757:Mirror Publications/Independent Newspapers 2000-2006/Nov 01  
(c) 2006  
File 387:The Denver Post 1994-2006/Oct 31  
(c) 2006 Denver Post  
File 471:New York Times Fulltext 1980-2006/Nov 01  
(c) 2006 The New York Times  
File 492:Arizona Repub/Phoenix Gaz 19862002/Jan 06  
(c) 2002 Phoenix Newspapers  
File 494:St LouisPost-Dispatch 1988-2006/Oct 31  
(c) 2006 St Louis Post-Dispatch  
File 631:Boston Globe 1980-2006/Oct 22  
(c) 2006 Boston Globe  
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(c) 2006 Philadelphia Newspapers Inc  
File 638:Newsday/New York Newsday 1987-2006/Nov 01  
(c) 2006 Newsday Inc.  
File 640:San Francisco Chronicle 1988-2006/Nov 01  
(c) 2006 Chronicle Publ. Co.  
File 641:Rocky Mountain News Jun 1989-2006/Nov 01  
(c) 2006 Scripps Howard News  
File 702:Miami Herald 1983-2006/Oct 29  
(c) 2006 The Miami Herald Publishing Co.  
File 703:USA Today 1989-2006/Nov 01  
(c) 2006 USA Today  
File 704:(Portland)The Oregonian 1989-2006/Oct 30  
(c) 2006 The Oregonian  
File 713:Atlanta J/Const. 1989-2006/Oct 29  
(c) 2006 Atlanta Newspapers  
File 714:(Baltimore) The Sun 1990-2006/Nov 01  
(c) 2006 Baltimore Sun  
File 715:Christian Sci.Mon. 1989-2006/Nov 01  
(c) 2006 Christian Science Monitor  
File 725:(Cleveland)Plain Dealer Aug 1991-2006/Oct 31  
(c) 2006 The Plain Dealer  
File 735:St. Petersburg Times 1989- 2006/Oct 31  
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(c) 2006 Info.Sources Inc

9/5/4 (Item 4 from file: 2)

DIALOG(R)File 2:INSPEC

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08861558 INSPEC Abstract Number: B2004-03-6250F-232, C2004-03-7250R-021  
Title: Cellular phone ringing tone recommendation system based on  
collaborative filtering method

Author(s): Kostov, V.; Naito, E. ; Ozawa, J.

Author Affiliation: Adv. Technol. Res. Labs., Matsushita Electr. Ind. Co.  
Ltd., Kyoto, Japan

Conference Title: Proceedings 2003 IEEE International Symposium on

Computational Intelligence in Robotics and Automation. Computational Intelligence in Robotics and Automation for the New Millennium (Cat. No.03EX694) Part vol.1 p.378-83 vol.1

Publisher: IEEE, Piscataway, NJ, USA

Publication Date: 2003 Country of Publication: USA 3 vol.xlvi+1556 pp.

ISBN: 0 7803 7866 0 Material Identity Number: XX-2003-02839

U.S. Copyright Clearance Center Code: 0-7803-7866-0/03/\$17.00

Conference Title: Proceedings 2003 IEEE International Symposium on Computational Intelligence in Robotics and Automation

Conference Sponsor: IEEE Robotics & Automation Soc

Conference Date: 16-20 July 2003 Conference Location: Kobe, Japan

Medium: Also available on CD-ROM in PDF format

Language: English Document Type: Conference Paper (PA)

Treatment: Practical (P); Theoretical (T)

Abstract: We have developed a prototype of cellular phone ringing tone recommendation system using memory-based collaborative filtering and we have carried out examinations to evaluate its performance. The ringing tone content was stored on a server from where the users were able to download the desired items according to their preferences. An extensive log data accumulated at the download service site for a fixed period of time was used. The log data contained only information for the users' downloaded ringing tones without evaluation data. The user set and the tone downloadable content set were not fixed and our goal was to investigate how collaborative filtering could be successfully applied to a system with such continuously changing conditions. The Jaccard's similarity coefficient was used to calculate the similarity between the users. The learning period, the recommendation period and the number of the similar users were used as condition parameters. The system quality evaluation showed that the recall increases with the increase of the learning period but decreases with the increase of the recommendation period. Optimal values for the number of the most similar users as well as for the learning and the recommendation periods were experimentally obtained. It was shown that the collaborative filtering method could be successfully applied to a cellular phone ringing tone recommendation system. (8 Refs)

Subfile: B C

Descriptors: cellular radio; information retrieval; learning systems; mobile handsets

Identifiers: cellular phone; ringing tone recommendation system; memory based collaborative filtering method; server; download service; log data; learning period

Class Codes: B6250F (Mobile radio systems); C7250R (Information retrieval techniques); C7410F (Communications computing); C6170K (Knowledge engineering techniques)

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9/5/6 (Item 6 from file: 2)

DIALOG(R)File 2:INSPEC

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08739651 INSPEC Abstract Number: C2003-11-7210N-009

Title: Development of a user adaptive home page recommendation software, "WebNavigator"

Author(s): Kutsumi, H. ; Naito, E. ; Araki, S. ; Emura, S.; Arai, T.

Author Affiliation: Adv. Technol. Res. Labs., Matsushita Electr. Ind. Co. Ltd., Kyoto, Japan

Journal: Systems and Computers in Japan vol.34, no.3 p.44-52

Publisher: Scripta Technica,

Publication Date: March 2003 Country of Publication: USA

CODEN: SCJAEP ISSN: 0882-1666

SICI: 0882-1666(200303)34:3L.44:DUAH;1-A

Material Identity Number: J969-2003-003

Language: English Document Type: Journal Paper (JP)

Treatment: Applications (A); Practical (P); Experimental (X)

Abstract: The authors report on the development of their software "WebNavigator," a tool for gathering home page information easily for new Internet users, which learns the preferences of the user based on home page viewing history and then recommends new home pages based on those preferences. The important factors in learning a user's preferences are immediacy for tracking changes in interests and stability so as not to be affected by the noise included in the observed data. Issues for the software include setting parameters to unify the earlier user profile and the feature vector for home pages being viewed at present. These rate parameters are found by learning, using several home pages deemed to be "interesting" or "not interesting" to the user. The changes in the user's interests can be tracked by observing the changes in these parameters over time. In this paper, the authors describe the results of evaluating the validity of the software's home page recommendations by investigating experimentally the changes in various users' interests. (12 Refs)

Subfile: C

Descriptors: information retrieval system evaluation; Web design

Identifiers: WebNavigator; home page recommendation software; new Internet users; user preferences; home page viewing history; immediacy; feature vector; user profile; learning; evaluation; user interest changes

Class Codes: C7210N (Information networks); C7250 (Information storage and retrieval)

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9/TI,AU,6/1 (Item 1 from file: 2)

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09466102 INSPEC Abstract Number: A2005-15-2925-003, B2005-08-7410B-004

Title: Observation of optical diffraction radiation from a slit target at KEK accelerator test facility

Author(s): Karataev, P.; Araki, S.; Hamatsu, R.; Hayano, H.; Muto, T.; Naumenko, G.; Potylitsyn, A.; Terunuma, N.; Urakawa, J.

Publication Date: Jan. 2005

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9/TI,AU,6/2 (Item 2 from file: 2)

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09091311 INSPEC Abstract Number: A2004-20-7580-019, B2004-10-3110M-011

Title: Magnetostrictions of CoFe sensing layers in spin valves

Author(s): Zhitao Diao; Lifan Chen; Min Zhou; Araki, S.S.

Publication Date: July 2004

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9/TI,AU,6/3 (Item 3 from file: 2)

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09018265 INSPEC Abstract Number: A2004-16-2925-011, B2004-08-7410B-017

Title: Status of optical diffraction radiation experiment at KEK-ATF extraction line

Author(s): Karataev, P.; Araki, S.; Hamatsu, R.; Hayano, H.; Hirose, T.; Muto, T.; Naumenko, G.; Potylitsyn, A.; Urakawa, J.

Publication Date: Jan. 2003

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9/TI,AU,6/4 (Item 4 from file: 2)

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08861558 INSPEC Abstract Number: B2004-03-6250F-232, C2004-03-7250R-021  
Title: Cellular phone ringing tone recommendation system based on collaborative filtering method  
Author(s): Kostov, V.; Naito, E.; Ozawa, J.  
Publication Date: 2003  
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08797478 INSPEC Abstract Number: A2004-01-4360-003, B2004-01-6140-039  
Title: Geometrically constraint ICA for convolutive mixtures of sound  
Author(s): Knaak, M.; Araki, S.; Makino, S.  
Publication Date: 2003  
Copyright 2003, IEE

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08739651 INSPEC Abstract Number: C2003-11-7210N-009  
Title: Development of a user adaptive home page recommendation software,  
"WebNavigator"  
Author(s): Kutsumi, H.; Naito, E.; Araki, S.; Emura, S.; Arai, T.  
Publication Date: March 2003  
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9/TI,AU,6/7 (Item 7 from file: 2)  
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08535474 INSPEC Abstract Number: B2003-03-6130-029, C2003-03-5260S-047  
Title: Time domain blind source separation of non-stationary convolved signals by utilizing geometric beamforming  
Author(s): Aichner, R.; Araki, S.; Makino, S.; Nishikawa, T.; Saruwatari, H.  
Publication Date: 2002  
Copyright 2003, IEE

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08513635 INSPEC Abstract Number: A2003-05-8160B-025  
Title: Steam oxidation behavior of precipitation strengthened carbon free martensitic alloys  
Author(s): Kutsumi, H.; Muneki, S.; Itagaki, T.; Abe, F.  
Publication Date: 2002  
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Title: Overview of digital TV broadcasting technologies

Author(s): Araki, S.  
Publication Date: April 2000  
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07593564 INSPEC Abstract Number: B2000-06-3120B-032  
Title: Which spin valve for next giant magnetoresistance head generation?  
Author(s): Araki, S. ; Sano, M.; Li, S.; Tsuchiya, Y.; Redon, O.;  
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Publication Date: 1 May 2000  
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06994924 INSPEC Abstract Number: A9818-7570-065, B9809-3110M-051  
Title: The distribution of blocking temperature in NiFe-Ru/sub x/Rh/sub  
y/Mn bilayers  
Author(s): Araki, S. ; Sano, M.; Ohta, M.; Tsuchiya, Y.; Noguchi, K.;  
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Publication Date: July 1998  
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06784655 INSPEC Abstract Number: C9802-5440-003  
Title: Study of matching module for data driven processor Qfa-0  
Author(s): Araki, S. ; Saitoh, K.; Kaide, T.; Asada, K.  
Publication Date: Nov. 1997  
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Title: Effects of matrix resin and fiber content on behavior of fatigue  
crack propagation in continuous-fiber-mat reinforced CP-resin composites  
Author(s): Iwamoto, M.; Kurashiki, K.; Araki, S.  
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Title: Solution of hydrogen in cold-worked Pd-Ni, Pd-Pt, and Pd-Ni-Ag  
alloys  
Author(s): Kishimoto, S.; Yoshida, N.; Masui, T.; Ibaragi, T.; Nakano, A.  
; Hiratsuka, T.  
Publication Date: Jan. 1996  
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06001213 INSPEC Abstract Number: A9516-7570-005  
Title: Coexistence of granular-like component and interlayer coupling in  
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Author(s): Honda, K.; Sato, H.; Aoki, Y.; Araki, S.  
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Title: The rejuvenation status of TRISTAN accelerator control system  
Author(s): Mimashi, T.; Akiyama, A.; Araki, S.; Kudoh, K.; Komada, I.;  
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05661548 INSPEC Abstract Number: A9411-8140N-086  
Title: Effects of matrix resin and fiber content on mechanical and  
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Author(s): Kurashiki, K.; Iwamoto, M.; Araki, S.; An, W.  
Publication Date: March 1994

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Title: Effect of growth temperature on structures and magnetoresistive  
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Author(s): Araki, S.; Narumiya, Y.; Shinjo, T.  
Publication Date: March 1992

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Title: Magnetic and structural studies on Au/3d-metal multilayered films  
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Author(s): Araki, S.; Takahata, T.; Dohnomae, H.; Okuyama, T.; Shinjo,  
T.  
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Title: Rotating-speed control systems for large-capacity fans used in power plants  
Author(s): Miyahara, T.; Araki, S.; Takata, N.; Hirosaki, Y.; Taira, T.  
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03489971 INSPEC Abstract Number: A85086966  
Title: Effect of impact velocity on dynamic fracture toughness of R-RIM polyurethane  
Author(s): Suzuki, M.; Nakanishi, H.; Iwamoto, M.; Araki, S.  
Publication Date: March 1985

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03315458 INSPEC Abstract Number: A84099506  
Title: Dynamic fracture toughness of R-RIM materials  
Author(s): Suzuki, M.; Nakanishi, H.; Iwamoto, M.; Araki, S.  
Publication Date: Jan. 1984

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03237752 INSPEC Abstract Number: C84022982  
Title: Standardization for documentation and library works: a review  
Author(s): Naito, E.; Ueda, S.; Nakamoto, H.  
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Publication Date: 1983

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Title: Effect of dopants on transmission loss of low-OH- content optical fibres  
Author(s): Osani, H.; Shiota, T.; Moriyama, T.; Araki, S.; Horiguchi, M.; Izawa, T.; Takata, H.  
Publication Date: 14 Oct. 1976

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Author(s): Araki, S.  
Publication Date: July 1974

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01952993 AADAAI3091507  
Shared decision making in the treatment of endometriosis pain  
Author: Araki, Sally Sawa  
Year: 2003

9/TI,AU,6/27 (Item 1 from file: 65)  
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05592011 INSIDE CONFERENCE ITEM ID: CN057993904  
P-37 Effects of in utero propylthiouracil exposure on the monoamine  
content of the rat fetus brain  
Otake, S.; Ikeda, T.; Araki, S.; Shibata, S.; Isobe, M.; Hisada, S.  
CONFERENCE: Japanese Society of Toxicology-Annual meeting; 32nd  
(200506)

9/TI,AU,6/28 (Item 2 from file: 65)  
DIALOG(R)File 65:(c) 2006 BLDSC all rts. reserv. All rts. reserv.

04608805 INSIDE CONFERENCE ITEM ID: CN048175016  
A Ka-Band Bandpass Filter Using Open End Planar TE Mode Dielectric  
Resonators with Cross Coupling Structure  
Sonoda, T.; Sasaki, Y.; Hirose, K.; Hiratsuka, T.; Sakamoto, K.;  
Ishikawa, Y.  
CONFERENCE: European microwave conference-31st  
(200109)

9/TI,AU,6/29 (Item 1 from file: 99)  
DIALOG(R)File 99:(c) 2006 The HW Wilson Co. All rts. reserv.

1129635 H.W. WILSON RECORD NUMBER: BAST93061800  
Determination of evoked potentials in occupational and environmental  
medicine: a review  
Araki, Shunichi ; Murata, Katsuyuki

...s object-oriented C++ APIs.

The Catalog Navigator tool is the main delivery mechanism for recommendations . Together with the Community Navigator tool, it houses Firefly's collaborative filter . Webmasters can mine user profiles for demographic information using Community Navigator, which matches a user...

...between sites. That means users can log on to other sites that use Firefly's collaborative filtering without creating new accounts. To address concerns about this kind of information sharing as well...

...tools, and head start in the public eye make it the player to beat as recommendation systems gain popularity with users.

Firefly Passport Office. Firefly Network Inc., Cambridge, MA; 800-404-4724...

...441 on reader service card.

Net Perceptions Inc.

GroupLens Recommendation Engine

Expanding the ways that recommendation systems can be used creates a greater opportunity for them to gain widespread appeal. With its...

...offers a plug-in for Marimba's Castanet so that pushed content can benefit from collaborative filtering smarts. In theory, the combination of a recommendation system and push means you'd get more content that you like delivered automatically to your...

...netperceptions. com. Circle 442 on reader service card.

LikeMinds Inc.

LikeMinds Preference Server

With its recommendation system , LikeMinds takes a few unique approaches, such as offering the ability to return a single...

...this roundup with U.S. patents on its technology, LikeMinds can claim to have pioneered collaborative filtering . Besides basic filtering and consideration of user preferences, LikeMinds offers several standout features. Its filtering...this technology return items that you're least likely to enjoy.

For the webmaster

LikeMinds' collaborative filtering technology is powered by LikeMinds Preference Server, a package that offers webmasters a variety of options for implementing a recommendation system on their sites. The product relies on CGI scripts and C++ libraries, and it works...

...HTML templates to help get a filtering-based site up and running quickly.

For getting control of a recommendation -enabled web site, LikeMinds Preference Server lets webmasters handle filtering data by genre easily. What...

...product, because it returns results after you select a topic of interest. But it uses collaborative filtering to take data retrieval to the next level by learning from users which sources are...

...City.

If you're concerned about feeling overwhelmed, don't worry. The Wisewire engine uses recommendations and machine learning to limit the content to what you're likely to find interesting. As with LikeMinds and many search engines...

...read items in Wisewire, you're asked to rate the relevance of each article. The recommendation - system engine will then use your preferences to fine-tune what it gives you the next...

...engines, all content is scanned for matches with a user's interests. Wisewire combines the community -based algorithms of recommendation

their...

...academia, but the company succeeded in obtaining the only U.S. patent so far for collaborative filtering technology, a key component of recommendation systems and often used synonymously. These four companies' products perform the same function--making suggestions based...

...user preferences--but each has a particular focus and certain key features.

#### How it works

Collaborative filtering uses algorithms that factor in the preferences of a community of users to predict what...

...titles as well. Thus, the site can recommend books to you--often with surprising accuracy. Recommendation systems work, and they work whether you're rating books, movies, or products in a catalog.

A recommendation system should increase in accuracy over time, as more users enter preferences on more items. Databases can be shared across interest groups, as with Firefly Network's Community Navigator, providing even more data on which to base intelligent recommendations.

Computationally, collaborative filtering is fast and efficient, especially when compared with traditional artificial-intelligence approaches to solving problems, such as neural networks and rules-based processing. Collaborative filtering takes some of the things that human beings do best--thinking and making critical judgments...

...users. The heavy-duty "processing" here is done by people, not machines. The math behind collaborative filtering is remarkably simple and can be handled in real time.. That's a good thing...

...of a web site.

#### The killer apps

You don't need an MBA to see recommendation systems as a good fit for Web commerce--matching buyers with products and targeting ads, for example. Heavy-duty electronic commerce will use collaborative filtering, but the potential of other applications is just as promising.

Every site with a recommendation system today works explicitly, requiring you to rate items before receiving results. The technology, however, can...

...track such behavior as placing an item in a shopping basket but not purchasing it. Recommendation systems can also help build community by putting you in touch with people who like what...

...and commerce are, the Web's primary function is as a repository of information, and recommendation systems can enhance this aspect as well. Wisewire delivers personalized news and information, and Net Perceptions...

...is clearly a better Web. If you're managing a large site, consider how a recommendation system might enrich your customers' experience. If you're a Web surfer, take advantage of one...

...the first on the market--Firefly Network is responsible for introducing millions of users to recommendation systems . Firefly's approach emphasizes community, linking you to users with similar interests across a network...should be using Firefly technology to make personalized book recommendations.

#### Under the hood

Firefly's recommendation system is made up of several parts: the actual technology, called Advanced Collaborative Filtering (ACF), and various tools that help webmasters implement ACF. To build Firefly's technology into...

systems with more traditional artificial-intelligence techniques. This will likely involve more of a training phase...

...to watch as push becomes more prevalent. By concentrating on content rather than product-oriented collaborative filtering , Wisewire may have found itself a productive niche with plenty of room to grow.  
Wisewire...

...reader service card.

Related article: The Basics  
NOT WITHOUT A PRICE

In order for a recommendation system to work for you, you must tell Web sites using this technology who you are...

...article: Making It Personal

Personalizing content is Priority One for many of today's Webmasters. Recommendation systems are one way to personalize Web content, but they aren't the only way to...

..Neural network algorithms respond to recent user actions--a more flexible approach than those of recommendation systems or forms-based questionnaires.

One of the potentially strongest players in this field is Autonomy...

...try the Autonomy News Agent at autonomy.virgin.net to see this approach for yourself.

Recommendation systems are fast and fairly accurate, but as more sites try to create personal views, look...